



Industrial Hose

2017 Product Catalog

Everything You Need to Succeed

Flexsteel® 250 EPDM-20 Steam Hose

With a maximum operating pressure of 250 psi and temperature range of -40°F to 450°F (-40°C to 232°C), Flexsteel® 250 steam hose exceeds the ARPM safety standard and makes steam operations more secure and user-friendly.



Extremeflex™ Petroleum Transfer

An extremely flexible and lightweight hose for use in tank truck and drilling operations to transfer diesel, ethanol, gasoline, oil and petroleum-based products. Corrugated construction for lower drag coefficient and superior abrasion resistance.



Survivor® Compound

Featuring 2x the life on average*, Survivor® is one of the toughest cover compounds used on ContiTech conveyor belts. It is able to withstand serious abuse and still last longer.

OILSAND

Excellent oil resistance plus abrasion resistance available as made to order with Hydrovator and other material handling hoses.



Blue LT Fuel Oil Delivery Hose

Perfect for the transfer and delivery of fuel oil and petroleum products for home delivery, commercial and industrial service, this hose is designed to stay flexible in cold temperatures and to provide superior oil resistance.



READY **2** GO

Ready 2 Go Coupled Hose Assemblies

The R2G system has pre-coupled hose assemblies ready for delivery, so you wait less. And since it is available in seven different hose categories, you can rely on us to have the hose you need, when you need it.

*Based on lab results from DIN test with non-rotating head versus abrasion-resistant SBR compounds. Service life may vary depending on application conditions.



Insta-Lock™ Coupling Hose Systems

Insta-Lock™ coupling hose systems are designed with a cam & groove crimped coupling solution, developed to facilitate the use of crimped sleeves on industrial hoses by ContiTech. Available in aluminum, brass and 316# stainless steel. Part A, B, C, D, E, F, dust plug, dust cap and jump sizes are available to meet your application needs.



Flexsteel® Futura™ Low Perm Dispensing Hose

Get superior, long-lasting service with multi-fuel capability. This hose is designed for use at filling stations to reduce permeation rates to 10 g/m²/day and improve air quality and emissions.



Crimping Tools

We also offer a variety of crimping tools for on-site, in-vehicle and stationary applications. Available from 1/4" up to 12" ID to meet your industrial hose assembly needs.



Industry-Leading Technology, Reliability and Performance

ContiTech specializes in the engineering and distribution of innovative, reliable and high-performance industrial hose products for a vast array of industrial, commercial and residential applications.

Air & Multi-Purpose

General Purpose



Designed for use in a wide range of multi-purpose applications. Size and temperature ranges from 1/4" to 2", -65°F to 275°F (-54°C to 135°C), compressors to jackhammers, 25 psi to 1000 psi.

- › Gorilla®
- › Ortac® 250
- › Ortac® 300
- › Ortac® 400
- › Variflex™ 200
- › Variflex™ 300
- › Frontier™ 200
- › Frontier™ 250
- › Frontier™ 300
- › Crimped Jackhammer Assembly
- › F5™ Air Hose
- › Pliovic® GS
- › Pliovic® Plus 250
- › Braidair™
- › Arctic Ortac® Plus
- › Arctic Ortac®
- › Flexsteel® Service Station Air
- › Service Station Air
- › MIL A-A-59565
- › Nitrogen Service
- › Unitrix 80
- › Unitrix 60

Heavy Duty



Designed for use in a wide range of heavy-duty applications. Size and temperature ranges from 1/4" to 2", -65°F to 275°F (-54°C to 135°C), compressors to jackhammers, 25 psi to 1000 psi.

- › Super Ortac®
- › Steel Air
- › Pllicord® Super Rock Drill

- › Pllicord® Air Green 400
- › Prospector™ Plus Air
- › Prospector™ Air
- › Ultrabraid® Bull Hose

Push-On



Specifically designed for the rigors of robotic, automated and pressurized applications. Temperature ranges from -40°F to 200°F (-40°C to 93°C), textile reinforcement, 3/16" through 1" ID.

- › FLEXAGrip
- › Insta-Grip™ 300
- › Insta-Grip™ 250
- › Insta-Grip™ TC
- › Insta-Grip™ HT 300

Chemical Transfer



Engineered for the reliable transfer of industrial chemicals and other solutions. Multiple cover color options, -40°F to 300°F (-40°C to 149°C), up to 200 psi WP.

- › Hi-Per®
- › Chem One™
- › Viper®
- › Green XLPE
- › Fabchem®
- › Pllicord® ExtremeFlex™ Brown
- › Pllicord® ExtremeFlex™ Purple
- › Brown Flexwing®
- › Purple Flexwing®
- › Orange Flexwing®
- › Blue Flexwing®
- › DEF Transfer Hose – Braided
- › DEF Transfer Hose – Hand Built
- › Conti-Chem Superior FEP
- › Infinity™ Chemical

Cleaning Equipment



Engineered for reliable transfer of industrial chemicals and other solutions. Multiple cover color options, -40°F to 300°F (-40°C to 149°C), up to 200 psi WP.

- › Galvanator® 3000
- › Gauntlet® 4500
- › Gauntlet® 3000
- › Gauntlet® 1500
- › Neptune™ 6000
- › Neptune™ 4500
- › Neptune™ 4001-R
- › Neptune™ 3000
- › Neptune™ 1500
- › Whitewater®
- › SpiraFlow®

Food

Dry Transfer



Designed to transfer nearly every type of dry bulk food material in plant and truck applications. Temperature ranges from -40°F to 210°F (-40°C to 99°C), FDA/3-A/USDA approvals.

- › Pllicord® ExtremeFlex™ Food Grade
- › White Flexwing®
- › Gray Flextra® LT
- › Pllicord® Gray Food
- › Nutriflex® Static Wire
- › Nutriflex® Suction & Discharge
- › Nutriflo® Suction & Discharge
- › Tan Flextra®
- › Tan Softwall
- › Exstatic®

- › Harvest®
- › Plicord® Blue Flour
- › Spirathane™ PT

Liquid Transfer



Engineered to handle liquid materials in plant and truck applications. Temperature ranges from -40°F to 220°F (-40°C to 104°C), FDA/3-A/USDA approvals.

- › Plicord® ExtremeFlex™ Beverage Red
- › Plicord® ExtremeFlex™ Beverage Gray
- › Plicord® Distillery 150
- › EZ Glide Wine™
- › Vintner™
- › Plicord® Wineline
- › Plicord® Brewline
- › Purple Snake®
- › Deep Blue Potable Water
- › Potable Water
- › AquaPal®
- › Collector®
- › Lactopal®
- › Blaudieck® LGD
- › Trix® Multifood
- › Velocity Beverage Transfer
- › Pliovic® FG (FDA-3A)
- › Plicord® Clearwater Potable Water

Washdown



Designed for use in pressure washers and clean up in food processing plants. Microban® protection available, up to 1000 psi WP. Microban is a registered trademark of Microban U.S.A.

- › Fortress® 3000
- › Fortress® 1000
- › Blue Fortress® 300
- › Fortress® 300
- › Poseidon
- › Sani-Wash™ Supreme 300
- › Super Sani-Wash™ 300
- › Sani-Wash™ 300
- › Dinga Water Saving Gun
- › Protection Ring

Marine



Engineered for multiple maritime applications. USCG and SAE approvals. Size ranges from 1/4" up to 10" ID.

- › Plicord® Hardwall Wet Exhaust
- › Plicord® Softwall Wet Exhaust
- › Plicord® SAE J1527 Type A2 (fuel fill)
- › Marine Fuel Line
USCG/SAE J1527 & ISO 7840 Type A1
- › Flexshield™ Marine Barrier Hose
SAE J1527 USCG Type A1-15 / ISO 7840
- › Marine Fuel Feed Vent Hose
USCG/SAE J1527 Type A2
- › Marine Fuel Feed Vent Hose
USCG/SAE J1527 Type B2

Material Handling

Abrasives



Designed for industrial blasting, suction and high-pressure applications. Temperature ranges from -40°F to 190°F (-40°C to 88°C) and size ranges from 1/2" to 18" ID.

- › Artrac®
- › Arvac™ SW
- › Blucor™
- › Blucor™ Couplings
- › Diversiflex™
- › Diversipipe® 75
- › Diversipipe® 150
- › Flexible Downspout
- › Plicord® Blast (2-ply & 4-ply)
- › Plicord® Dredge Sleeve
- › Plicord® Hydrovator
- › Plicord® RVC
- › Plicord® Sand Suction
- › Plicord® XF Blast (2-ply & 4-ply)
- › Sandblast Deadman
- › Spiraflex® Air Seeder
- › Spirathane™ HD
- › Spirathane™ LD
- › Spirathane™ PT

Bulk Transfer



Designed for conveying air and materials in tank truck and plant services up to 150 psi. Temperature ranges from -40°F to 400°F (-40°C to 204°C).

- › Black Softwall
- › FDA Hot Air
- › Flextra® Dry Material
- › Plicord® Torridair™ Hot Air Blower
- › Pyroflex® II Hot Air
- › Pyroflex® III Hot Air
- › Spiraflex® Mulch Blower
- › Tan Flextra®
- › Tan Flexwing®
- › Tan Softwall

Cement & Concrete



Engineered to handle the transfer of sand, cement and other materials for construction industry applications. With textile or wire reinforcements, up to 1200 psi.

- › Allcrete® Textile
(plaster, grout & concrete)
- › Allcrete® Wire
- › PGC Placement Textile
- › Plicord® Auger Arc Piling
- › Plicord® Gunite (tan)

Mining



Designed for a variety of above-ground and underground mining applications. Temperature ranges from -40°F to 200°F (-40°C to 93°C), up to 1000 psi WP.

- › Brigade® Mine
- › Flextra® Rock Dust
- › M&P Mine Conduit
- › Flexsteel® Mine Spray
- › Plicord® Ammonium Nitrate HD
- › Plicord® Ammonium Nitrate Pellet
- › Plicord® Mine Conduit
- › Spiraflex® Cable Guard
- › Spiraflex® Rock Dust

Petroleum

Aircraft Fueling



Designed for fueling or defueling public and private aircraft. Size ranges from 1/4" to 4" ID, API/NFPA/EN standards.

- › Advantage™
- › Deadman Aircraft Refueling
- › Jet Ranger™
- › Platinum JAC Riser
- › Refueling Sensing
- › Wingcraft™

Dispensing



Heavy-duty hose designed to dispense a wide range of fuels. Size ranges from 5/8" to 1 1/4" ID.

- › Flexsteel® Futura™
- › Flexsteel® Futura™ Low Perm
- › Flexsteel® Futura™ HVR Low Perm
- › Flexsteel® Futura™ Vapor Assist
- › Maxxim™ Premier
- › Maxxim™ Premier Plus
- › Flexsteel® Futura™ B20
- › Flexsteel® Futura™ Ethan-ALL
- › Flexsteel® Futura™ E25
- › Flexsteel® ECO-Green
- › BC Gasoline
- › BC Cold Flex
- › BC Marina
- › Aggie Gas™
- › Pacer™
- › DEF Dispensing

Dock Hose



Engineered for the transfer of petroleum-based products between docks and ships. Size and temperature ranges from 3" to 12" ID, -25°F to 350°F (-32°C to 177°C).

- › Flexdock® 225
- › Flexdock® 300
- › Hot Tar & Asphalt Rough Bore
- › Hot Tar & Asphalt Smooth Bore
- › Smooth Bore Dock 200

- › Smooth Bore Dock 300
- › Tanker Barge Discharge
- › Plicord® Dock Hose
- › RB Dock Asphalt & Bitumen
- › SB Dock Asphalt & Bitumen
- › Vapor Recovery Dock

Rig Supply



Engineered for use on offshore rigs to transfer petroleum-based product. Temperature ranges from -35°F to 200°F (-37°C to 93°C).

- › Diesel Oil HW
- › Diesel Oil SW
- › Offshore Fuel 500 HW ASW
- › Offshore Fuel HW 500
- › Oil Rig Bio Fuel SW
- › Oil Rig HW
- › Oil Rig HW ARC
- › Oil Rig SW
- › Oil Rig Service with Float System
- › Plicord® HW Dry Cement
- › Plicord® SW Dry Cement

Transfer Discharge



Designed for the transfer and delivery of fuel, oil and petroleum products for home delivery, commercial and industrial service applications. Up to 300 psi WP.

- › Redwing® Fuel Oil
- › Blue Low Temp Fuel Oil Delivery
- › Plicord® Fuel Discharge
- › Plicord® Oilfield Frac
- › Pyroflex® Hot Tar Wand
- › Prospector™ Petro 150

Transfer Suction & Discharge



Designed for the transfer and delivery of fuel, oil and petroleum products in plant and tank-truck applications. Up to 300 psi WP.

- › Plicord® Flexwing® Petroleum
- › Plicord® ExtremeFlex™
- › Prospector™ Oilfield 150 & 300



- › Prospector™ Flex Oilfield
- › Plicord® Super Black Flexwing®
- › Plicord® LW Black Flextra® II
- › Red Flextra® 100 & 150
- › Plicord® Arctic Flexwing®
- › Arctic ExtremeFlex™
- › LW Arctic Tank Truck
- › Flexwing® VersaFuel™
- › Pyroflex® Hot Tar & Asphalt II
- › Infinity™ HD Fuel Drop Hose
- › Infinity™ Fuel Drop Hose
- › Paladin®
- › Spiraflex® Polyurethane Vapor Recovery

Specialty Hose



Designed for use in residential, commercial, agricultural, in-plant and a variety of other applications.

- › LPG Delivery Pro™ Assemblies
- › LPG Delivery Pro™
- › Fire Engine Booster
- › NR Spray
- › Pliovic® Ag Spray 1800 & 2400
- › Nitrogen Service Hose
- › Hydrocarbon Drain - Braided
- › Hydrocarbon Drain - Hand-Built
- › DEF Transfer Hose - Braided
- › DEF Transfer Hose - Hand-Built

Steam Hose



Designed for industrial applications requiring the transfer of steam. Flexsteel® available with crimped fitting solutions.

- › Crimped Steam Assembly
- › Flexsteel® 250 CB Extreme
- › Flexsteel® 250 CB Steam
- › Flexsteel® 250 EPDM-20
- › Flexsteel® 250 ORS Steam Hose
- › Flexsteel® 250 Steam

- › Heavy Duty Steam Pile Driver
- › MIL-DTL-29210E
- › Plicord® 250 Steam
- › DAMPF Trix® 6000 Steam

Vacuum Hose



Engineered for a wide variety of applications including leaf collection, manhole blowers and exhaust fumes. Size ranges from 1½" to 8" ID.

- › Plicord® HD Industrial Vacuum
- › Plicord® Vacuum (HD & LW)
- › Spiraflex® Ducting
- › Spiraflex® Grassvac™
- › Spiraflex® Vacuum
- › Spirathane® HD
- › Spirathane® LD
- › Spirathane® PT

Water

Discharge Hose



Designed for mining, construction, industry, agricultural and marine service applications. Temperatures up to 190°F (88°C), size ranges from 1/2" to 12" ID.

- › Plicord® HD Water Discharge
- › Plicord® Water Discharge 150
- › Plicord® Versiflo® 125
- › Spiraflex® Black (Lay-Flat Super Duty Hose)
- › Spiraflex® Yellow (Heavy Duty)
- › Spiraflex® Red (Medium Duty)
- › Spiraflex® Gray (Light Duty)
- › Spiraflex® Blue (Extra Light Duty)
- › Plicord® Furnace Door
- › Fire Engine Booster

Suction & Discharge Hose



Designed for mining, construction, industry, agricultural and marine service applications. Temperatures up to 190°F (88°C), size ranges from 1/2" to 12" ID.

- › Flexwing® Water S&D
- › Versiflo® 150 Water S&D
- › Prospector™ Water S&D
- › Spiraflex® 1600
- › Spiraflex® Aggie PVC
- › Cold Blue
- › Green Hornet® XF
- › Velocity WT

Washdown Hose



General-service hose designed for a wide range of industrial, construction and agricultural water discharge. From 1/4" - 1½" ID and temperatures up to 200°F (93°C).

- › Plicord® Washdown
- › Pulp & Paper Washdown
- › Sureline®

Garden hose



Designed in-home and lawn or garden water discharge. Size ranges from 1/4" - 1½" ID with temperatures up to 200°F (93°C).

- › Heavy Duty Cold Water
- › Heavy Duty Hot Water
- › Pathfinder® Garden Hose
- › YardMaster™ Garden Hose

Welding Hose

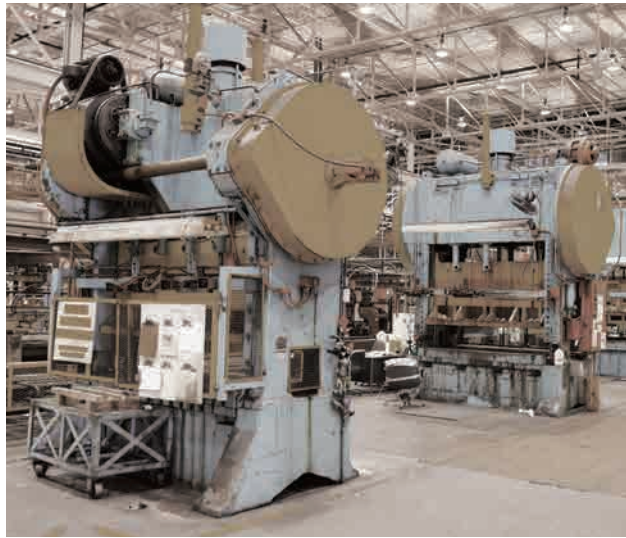
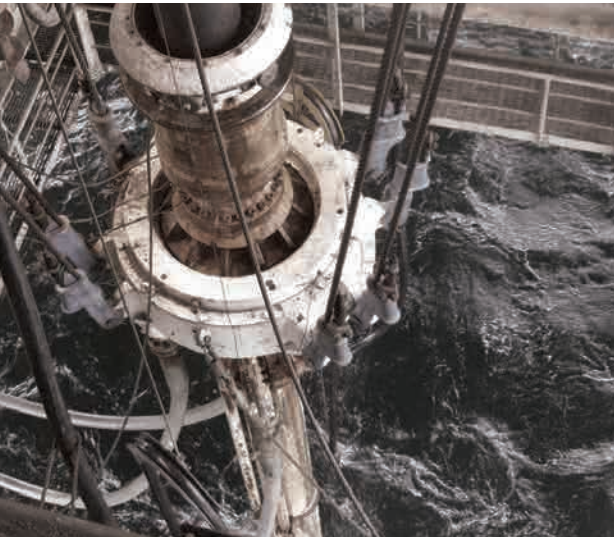


Designed for a variety of welding services and applications for Grade R, RM, T. Available in single- and Twin-Line options.

- › Single Line Welding (Grade R)
- › Single Line Welding (Grade RM)
- › Single Line Welding (Grade T)
- › Twin-Line Welding (Grade R)
- › Twin-Line Welding (Grade RM)
- › Twin-Line Welding (Grade T)



See our line of Prospector™ hose in our Oil & Gas brochure.



ContiTech.
Worldwide.
World-class.
World-changing.

ContiTech is a world leader in industrial rubber and plastic products and has the largest global footprint of any rubber products manufacturer. Our knowledge and expertise allows us to deliver the most innovative and highest quality products on the market. Plus, our extensive problem solving experience across multiple industries and applications enables us to share innovations over our entire product offering. Which means we can deliver unexpected solutions and advanced improvements in situations where others can't. We push the boundaries of what's possible, and we're constantly solving tomorrow's most challenging problems—today and every day.



Application Warning

The products in this catalog have been tested under controlled laboratory conditions to meet specific test criteria. These tests are not intended to reflect the performance of the product or any other material in any specific application, but are intended to provide the user with application guidelines. The products are intended for use by knowledgeable persons having the technical skills necessary to evaluate their suitability for specific applications.

Since ContiTech, Inc. has no control over the number and variety of applications for which its products may be purchased or the conditions under which its products may be used by others, ContiTech assumes no responsibility for performance results and applications. This catalog, however, contains available information to allow the user to determine the product's acceptability and fitness for specific applications. No statement contained herein should be construed as a license to operate, or as a recommendation or inducement to infringe existing patents or as an endorsement of products of specific manufacturers or systems.

Failure to follow procedures for selection, installation, care, maintenance and storage of a hose may result in the hose's failure to perform properly and may result in damage to property and/or serious injury. Please refer to the General Information section of the catalog for hose care, maintenance and storage information.

All product design, dimensional and general information in this catalog is subject to change without prior notice. Working pressures and other technical information have been prepared from actual test results and other data considered to be reliable. However, ContiTech assumes no responsibility for the accuracy of this information under varied conditions found in field use.

Chemical Hose

Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must, at all times, wear protective clothing. A hose or system failure could cause the release of poisonous, corrosive or flammable material.

Detailed information concerning storage, care and maintenance may be found in the Hose Handbook published by the Rubber Manufacturer's Association, 1400 K Street, N.W., Washington, D.C. 20005 and in SAE Recommended Practices J1273.

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Properties Legend:



A - Superior Abrasion Resistance



F - FDA, 3-A, & USDA Compliant



M - USMSHA Approved



UL - Underwriter's Laboratory Approved



NC - Non-Conductive



CUL - Underwriter's Laboratory Approved (Canada)

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General Purpose



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| Frontier 300 | 17-18 | | | | C | C | -40°F to 210°F (-40°C to 99°C) | | Yes |
| Gorilla | 12 | Yes | Yes | Yes | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |
| MIL A-A-59565 Military Air Hose | 28 | | | | C | C | -40°F to 210°F (-40°C to 99°C) | | Yes |
| Nitrogen Service Hose | 29 | | | | C | C | -40°F to 210°F (-40°C to 99°C) | | Yes |
| Ortac 250 | 13-14 | Yes | | Yes | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |
| Ortac 300 | 13-14 | Yes | | Yes | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |
| Ortac 400 | 13-14 | Yes | Yellow Only | Yes | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |
| Pliovic GS | 21-22 | | | Yes | B | B | -10°F to 158°F (-40°C to 70°C) | Yes | |
| Pliovic Plus 250 | 21-22 | | | Yes | B | B | -10°F to 158°F (-40°C to 70°C) | Yes | |
| Service Station Air | 27 | | | | C | C | -40°F to 210°F (-40°C to 99°C) | | Yes |
| Unitrix 60 | 31 | | | | A | A | -13°F to 185°F (-25°C to 85°C) | | Yes |
| Unitrix 80 | 30 | | | | A | A | -40°F to 185°F (-40°C to 85°C) | | Yes |
| Variflex 200 | 15-16 | | | | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |
| Variflex 300 | 15-16 | | | | A | A | -20°F to 210°F (-29°C to 99°C) | | Yes |

*Based on ARPM oil classification. For more information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Gorilla®



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Product Specifications

Application

A premium-quality, multipurpose industrial hose with a wide range of applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry and shipbuilding. All sizes are crush-resistant and rated at 500 psi (3.4 MPa) maximum working pressure. The premium Carbryn™ cover offers the most superior abrasion resistance of air and multipurpose hoses. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 Volts DC.

Construction

> Tube
Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover
Yellow Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance) MSHA approved

> Reinforcement
Spiral aramid yarn, 2" is braided synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

90% one-piece reels up to 1"
3/16" - 3/4" - 500' reels, maximum 3 pieces, 50' increments
1" - 450' reels, maximum 3 pieces, 50' increments
1 1/4" - 250'-400' reels, maximum 3 pieces, 50' increments
1 1/2" - 150'-300' reels, maximum 3 pieces, 50' increments
2" - 200' carton, maximum 3 pieces, 50' increments
Coupled assemblies available: 1/4", 3/8", 1/2", and 3/4".

Branding

Example: Gorilla® by Continental ContiTech 1" (25.4 mm)
500 psi Made in USA Flame Resistant USMSHA No. 2G-IC-14C/39

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

569-035
536-446 (2')

Gorilla®

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026239 | 1/4 | 6.4 | 0.61 | 15.5 | 500 | 3.45 | 0.17 | 0.25 |
| 20026256 | 3/8 | 9.5 | 0.73 | 18.6 | 500 | 3.45 | 0.22 | 0.33 |
| 20026273 | 1/2 | 12.7 | 0.89 | 22.6 | 500 | 3.45 | 0.28 | 0.42 |
| 20026289 | 5/8 | 15.9 | 1.06 | 26.9 | 500 | 3.45 | 0.35 | 0.52 |
| 20026290 | 3/4 | 19.1 | 1.19 | 30.2 | 500 | 3.45 | 0.41 | 0.61 |
| 20026304 | 1 | 25.4 | 1.50 | 37.8 | 500 | 3.45 | 0.58 | 0.86 |
| 20026306 | 1 1/4 | 31.8 | 1.77 | 45.6 | 500 | 3.45 | 0.79 | 1.18 |
| 20026309 | 1 1/2 | 38.1 | 2.04 | 51.8 | 500 | 3.45 | 0.86 | 1.27 |
| 20023183 | 2 | 50.8 | 2.62 | 66.6 | 500 | 3.45 | 1.22 | 1.82 |

Hose design ratio (burst pressure) 4:1.

Ortac®



Product Specifications

Application

Ortac® (Oil-Resistant Tube and Cover) is our most popular premium-quality multipurpose hose. Used in the most abusive industrial applications, Ortac® will handle air, oil, water, kerosene and some chemicals. The premium Carbryn™ cover offers the most superior abrasion resistance of air and multipurpose hoses. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 volts DC. Available in 250, 300 and 400 psi working pressures. Note: Ortac® 400 Yellow is USMSHA approved.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Red or yellow Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn, 2" is braided

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

90% one-piece reels up to 1"
 3/16"-3/4" - 500' reels, maximum 3 pieces, 50' increments
 1" - 450' reels, maximum 3 pieces, 50' increments
 1¼" - 400' reels, maximum 3 pieces, 50' increments
 1½" - 300' reels, maximum 3 pieces, 50' increments
 2" - 200', cartons, maximum 3 pieces, 50' increments

Branding

Example: 1½" (38.1 mm) Ortac® 300 psi WP Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

See next page.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Ortac® 250

Order Codes: 569-058 (1/4"-1½" red), 536-465 (2" red), 536-010 (2" black)

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|------|---------|------|---------|-----|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20026527 | 1/4 | 6.4 | 0.53 | 13.5 | 250 | 1.72 | 0.09 | 0.13 |
| 20026529 | 5/16 | 7.9 | 0.62 | 17.5 | 250 | 1.72 | 0.14 | 0.21 |
| 20026531 | 3/8 | 9.5 | 0.69 | 17.5 | 250 | 1.72 | 0.15 | 0.22 |
| 20026534 | 1/2 | 12.7 | 0.84 | 21.3 | 250 | 1.72 | 0.20 | 0.30 |
| 20026538 | 5/8 | 15.9 | 1.00 | 25.4 | 250 | 1.72 | 0.26 | 0.39 |
| 20026540 | 3/4 | 19.1 | 1.14 | 29.0 | 250 | 1.72 | 0.34 | 0.51 |
| 20026544 | 1 | 25.4 | 1.47 | 37.3 | 250 | 1.72 | 0.51 | 0.76 |
| 20023278 | 2 | 50.8 | 2.50 | 63.5 | 200 | 1.37 | 1.08 | 1.61 |

Hose design ratio (burst pressure) 4:1.

Ortac® 300

Order Codes: 569-059 (red)

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|------|---------|------|---------|-----|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20026560 | 3/16 | 4.8 | 0.44 | 11.8 | 300 | 2.07 | 0.07 | 0.10 |
| 20026561 | 1/4 | 6.4 | 0.61 | 15.7 | 300 | 2.07 | 0.14 | 0.21 |
| 20026563 | 5/16 | 7.9 | 0.68 | 17.3 | 300 | 2.07 | 0.16 | 0.24 |
| 20026564 | 3/8 | 9.5 | 0.73 | 18.6 | 300 | 2.07 | 0.18 | 0.27 |
| 20026568 | 1/2 | 12.7 | 0.89 | 22.6 | 300 | 2.07 | 0.25 | 0.37 |
| 20026570 | 5/8 | 15.9 | 1.06 | 26.9 | 300 | 2.07 | 0.35 | 0.52 |
| 20026571 | 3/4 | 19.1 | 1.19 | 30.2 | 300 | 2.07 | 0.40 | 0.60 |
| 20026575 | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.59 | 0.88 |
| 20026579 | 1¼ | 31.8 | 1.81 | 46.0 | 300 | 2.07 | 0.76 | 1.13 |
| 20026583 | 1½ | 38.1 | 2.08 | 52.8 | 300 | 2.07 | 0.88 | 1.31 |

Hose design ratio (burst pressure) 4:1.

Ortac® 400

Order Codes: 569-065 (yellow, USMSHA rated), 569-066 (red)

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|-----|---------|------|---------|-----|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20026596 | 1/4 | 6.4 | 0.61 | 15.7 | 400 | 2.76 | 0.16 | 0.24 |
| 20026598 | 3/8 | 9.5 | 0.73 | 18.8 | 400 | 2.76 | 0.20 | 0.30 |
| 20026599 | 1/2 | 12.7 | 0.89 | 22.8 | 400 | 2.76 | 0.26 | 0.39 |
| 20026600 | 3/4 | 19.1 | 1.18 | 30.0 | 400 | 2.76 | 0.41 | 0.61 |
| 20026601 | 1 | 25.4 | 1.50 | 38.1 | 400 | 2.76 | 0.61 | 0.91 |

Hose design ratio (burst pressure) 4:1.

VariFlex™



Product Specifications

Application

A good-quality, economical general purpose hose for industrial air service, compressor lines, pneumatic tools, low-pressure spray and many other applications where the need for oil resistance is moderate. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of length of hose at 1000 volts DC. Available in 200 and 300 psi working pressures.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Red, blue or black Chemivic synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn (3/16"-1½"), braided synthetic yarn (2")

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

90% one-piece reels up to 1"
 3/16"-3/4" - 500' reels, maximum 3 pieces, 50' increments
 1" - 450' reels, maximum 3 pieces, 50' increments
 1¼" - 400' reels, maximum 3 pieces, 50' increments
 1½" - 300' reels, maximum 3 pieces, 50' increments
 Coupled assemblies available in 1/4", 3/8" and 1/2" in red.

Branding

Example: VariFlex™ Non-conductive 1/2" (12.7 mm) 200 psi WP Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

See next page.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on
VariFlex™ 200

Order Codes: 569-005 (black), 569-007 (red), 569-036 (blue)

| SAP # | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|------|------|---------|------|---------|------|---------|------|
| Black | Red | Blue | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20666346 | | | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.07 | 0.10 |
| 20025396 | 20025484 | | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.10 | 0.15 |
| 20025397 | 20025485 | | 5/16 | 7.9 | 0.63 | 16.0 | 200 | 1.38 | 0.14 | 0.21 |
| 20025399 | 20025487 | | 3/8 | 9.5 | 0.69 | 17.5 | 200 | 1.38 | 0.15 | 0.22 |
| 20025402 | 20025490 | 20147654 | 1/2 | 12.7 | 0.84 | 21.3 | 200 | 1.38 | 0.21 | 0.31 |
| 20025403 | 20025492 | 20612705 | 5/8 | 15.9 | 1.00 | 25.4 | 200 | 1.38 | 0.27 | 0.40 |
| 20025404 | 20025493 | 20026313 | 3/4 | 19.1 | 1.13 | 28.7 | 200 | 1.38 | 0.38 | 0.57 |
| 20025405 | 20025495 | | 1 | 25.4 | 1.47 | 37.3 | 200 | 1.38 | 0.58 | 0.86 |

Hose design ratio (burst pressure) 4:1.

VariFlex™ 300

Order Codes: 569-006 (black), 569-008 (3/16"-1½" red), 569-037 (blue), 536-037 (2" red), 536-006 (2" black)

| SAP # | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|------|------|---------|------|---------|------|---------|------|
| Black | Blue | Red | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20025408 | | 20025498 | 1/4 | 6.4 | 0.54 | 13.7 | 300 | 2.07 | 0.14 | 0.21 |
| 20025428 | | 20025499 | 5/16 | 7.9 | 0.64 | 16.3 | 300 | 2.07 | 0.18 | 0.27 |
| 20025430 | 20026318 | 20025502 | 3/8 | 9.5 | 0.69 | 17.5 | 300 | 2.07 | 0.19 | 0.28 |
| 20025450 | 20026319 | 20025512 | 1/2 | 12.7 | 0.86 | 21.8 | 300 | 2.07 | 0.26 | 0.39 |
| 20333327 | 20026322 | 20025518 | 5/8 | 15.9 | 1.02 | 25.9 | 300 | 2.07 | 0.33 | 0.49 |
| 20025471 | 20026323 | 20025522 | 3/4 | 19.1 | 1.19 | 30.2 | 300 | 2.07 | 0.42 | 0.63 |
| 20025477 | 20026334 | 20025532 | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.62 | 0.92 |
| 20026192 | | 20022900 | 1¼ | 31.8 | 1.77 | 45.6 | 250 | 1.72 | 0.84 | 1.25 |
| 20026194 | | 20022906 | 1½ | 38.1 | 2.08 | 53.2 | 250 | 1.72 | 1.01 | 1.50 |
| 20654772 | | 20530997 | 2 | 50.8 | 2.50 | 63.5 | 300 | 2.07 | 1.02 | 1.52 |

Hose design ratio (burst pressure) 4:1.

Frontier™



Product Specifications

Application

An economical air and water hose, Frontier™ is for a wide range of industrial, construction and agricultural applications. Available in 200, 250, and 300 psi working pressures.

Construction

> Tube

EPDM synthetic rubber, ARPM Class C (Limited Oil Resistance)

> Cover

Black, Red, Yellow, Green or Blue EPDM synthetic rubber Class C (Limited Oil Resistance)

> Reinforcement

Spiral synthetic yarn, 2" is braided

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

90% one-piece reels up to 1"

3/16" - 3/4" - 500' reels, maximum 3 pieces, 50' increments

1" - 450' reels, maximum 3 pieces, 50' increments

1¼" - 400' reels, maximum 3 pieces, 50' increments

1½" - 300' reels, maximum 3 pieces, 50' increments

2" - 200', cartons, maximum 3 pieces, 50' increments

Coupled assemblies available in 1/4", 3/8", 1/2", and 3/4" in red.

Branding

Example: 1/2" Frontier™ Continental ContiTech 300 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

See next page.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Frontier™ 200

Order Codes: 536-035 (2" black), 536-040 (2" red), 569-009 (black), 569-011 (red), 569-038 (yellow), 569-547 (blue)

| SAP # | ID | | | | Nom. OD | | Max. WP | | Weight | | | |
|----------|----------|----------|----------|----------|---------|------|---------|------|--------|------|---------|------|
| | Black | Red | Blue | Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20025544 | 20025733 | | | 20709043 | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.08 | 0.12 |
| 20025553 | 20025735 | 20026919 | 20654587 | | 1/4 | 6.4 | 0.50 | 12.7 | 200 | 1.38 | 0.09 | 0.13 |
| 20025565 | 20025748 | 20026920 | | | 5/16 | 7.9 | 0.58 | 14.7 | 200 | 1.38 | 0.12 | 0.18 |
| 20025572 | 20025750 | 20338093 | 20026337 | | 3/8 | 9.5 | 0.67 | 17.0 | 200 | 1.38 | 0.15 | 0.22 |
| 20025591 | 20025773 | 20026921 | 20026353 | | 1/2 | 12.7 | 0.81 | 20.6 | 200 | 1.38 | 0.20 | 0.30 |
| 20025610 | 20025787 | 20026923 | | | 5/8 | 15.9 | 0.97 | 24.6 | 200 | 1.38 | 0.27 | 0.40 |
| 20025619 | 20025799 | 20026925 | 20026358 | | 3/4 | 19.1 | 1.12 | 28.5 | 200 | 1.38 | 0.34 | 0.51 |
| 20025714 | 20025966 | 20026928 | 20026361 | | 1 | 25.4 | 1.44 | 36.8 | 200 | 1.38 | 0.54 | 0.80 |
| 20025649 | 20025826 | 20736320 | 20026364 | | 1¼ | 31.8 | 1.73 | 44.0 | 200 | 1.38 | 0.75 | 1.12 |
| 20025655 | 20025834 | 20340494 | 20026366 | | 1½ | 38.1 | 1.98 | 50.3 | 200 | 1.38 | 0.86 | 1.28 |
| 20022897 | 20022939 | | | | 2 | 50.8 | 2.50 | 63.5 | 200 | 1.38 | 1.16 | 1.73 |

Hose design ratio (burst pressure) 4:1.

Frontier™ 250

Order Codes: 569-010 (black), 569-012 (red), 569-039 (yellow), 569-506 (green), 569-548 (blue)

| SAP # | ID | | | | Nom. OD | | Max. WP | | Weight | | | | |
|----------|----------|----------|----------|----------|---------|------|---------|------|--------|-----|------|---------|------|
| | Black | Red | Yellow | Green | Blue | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20025667 | 20025844 | 20026368 | 20742873 | 20742876 | | 1/4 | 6.4 | 0.53 | 13.5 | 250 | 1.72 | 0.11 | 0.16 |
| 20025670 | 20025865 | | | | | 5/16 | 7.9 | 0.59 | 15.0 | 250 | 1.72 | 0.13 | 0.19 |
| 20025674 | 20025869 | 20026374 | 20742874 | 20617089 | | 3/8 | 9.5 | 0.70 | 17.8 | 250 | 1.72 | 0.17 | 0.25 |
| 20025685 | 20025899 | 20026375 | 20026807 | 20617190 | | 1/2 | 12.7 | 0.84 | 21.3 | 250 | 1.72 | 0.22 | 0.33 |
| 20025695 | 20025922 | 20026376 | | | | 5/8 | 15.9 | 0.98 | 24.9 | 250 | 1.72 | 0.27 | 0.40 |
| 20025701 | 20025932 | 20026379 | 20026809 | 20026929 | | 3/4 | 19.1 | 1.14 | 29.0 | 250 | 1.72 | 0.35 | 0.52 |

Hose design ratio (burst pressure) 4:1.

Frontier™ 300

Order Codes: 569-516 (yellow), 569-557 (red), 569-560 (green), 569-559 (black), 569-562 (blue)

| SAP # | ID | | | | Nom. OD | | Max. WP | | Weight | | | |
|----------|----------|----------|----------|----------|---------|------|---------|------|--------|------|---------|------|
| | Red | Yellow | Green | Black | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026960 | | | | 20026997 | 1/4 | 6.4 | 0.53 | 13.5 | 300 | 2.07 | 0.10 | 0.15 |
| 20026971 | 20127382 | 20761181 | 20027001 | | 3/8 | 9.5 | 0.70 | 17.8 | 300 | 2.07 | 0.17 | 0.25 |
| 20026980 | 20127385 | 20761182 | 20027003 | | 1/2 | 12.7 | 0.84 | 21.3 | 300 | 2.07 | 0.22 | 0.33 |
| 20026985 | 20026845 | 20048519 | 20183079 | | 3/4 | 19.1 | 1.15 | 29.2 | 300 | 2.07 | 0.37 | 0.55 |
| 20026992 | 20026859 | 20048546 | 20027011 | | 1 | 25.4 | 1.48 | 37.3 | 300 | 2.07 | 0.58 | 0.86 |

Hose design ratio (burst pressure) 4:1.

Crimped Jackhammer Assembly



Product Specifications

Application

An economical EPDM air hose available as factory-made assemblies with high-quality crimped universal couplings for jackhammer and other uses on construction sites. Available in 3/4" and 1" red and yellow covers at 200 and 300 psi.

Construction

> Tube

EPDM, ARPM Class C (Limited Oil Resistance)

> Cover

EPDM, ARPM Class C (Limited Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Branding

3/4" (19.1 mm) 300 WP Jackhammer Hose Made in USA

Working Pressure:

200 psi and 300 psi Maximum.

Note: finished assembly is rated at 150 psi for all sizes.

Crimped Jackhammer Assembly

| SAP # | | Length (ft.) | ID | | Nom. OD | | Max. WP psi | Weight lb./ft. |
|----------|----------|--------------|-----|------|---------|------|----------------|-------------------|
| Red | Yellow | | in. | mm | in. | mm | | |
| 20749635 | | 25 | 3/4 | 19.1 | 1.10 | 28.0 | 200 | 9.63 |
| 20665753 | 20715475 | 50 | 3/4 | 19.1 | 1.10 | 28.0 | 300 | 19.25 |
| 20749635 | | 100 | 3/4 | 19.1 | 1.10 | 28.0 | 300 | 38.50 |
| 20665550 | | 50 | 3/4 | 19.1 | 1.10 | 28.0 | 200 | 19.25 |
| 20415002 | | 50 | 1 | 25.4 | 1.47 | 37.3 | 200 | 27.95 |
| | 20759549 | 50 | 1 | 25.4 | 1.47 | 37.3 | 300 | 33.60 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

F5™ Air Hose



Product Specifications

Application

A hybrid thermoplastic hose that provides durability and flexibility, is lightweight and has a low drag resistance. F5™ is non-marking, oil-resistant and performs well under cold temperatures to -40°F (-40°C). This 300 psi hose is designed for a variety of pneumatic applications in industries such as construction and manufacturing.

Construction

> Tube

Blue flexible TPE, ARPM Class B (Medium Oil Resistance)

> Cover

Matte blue flexible TPE, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Polyester yarn

Temperature Range

-40°F to 158°F (-40°C to 70°C)

Packaging

The listed SAP numbers below are reeled hose; coiled lengths and assemblies are also available.

Branding

Example: Continental ContiTech F5™ 300 psi Made in USA

Couplings

MxM NPT for coupled assemblies.



Coupled assemblies available.

Order Codes

540-438

F5™ Air Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20463343 | 1/4 | 6.6 | 0.50 | 11.5 | 300 | 2.07 | 0.06 | 0.09 |
| 20476820 | 5/16 | 7.9 | 0.59 | 15.0 | 300 | 2.07 | 0.09 | 0.15 |
| 20463342 | 3/8 | 9.8 | 0.64 | 16.2 | 300 | 2.07 | 0.10 | 0.16 |
| 20463341 | 1/2 | 12.7 | 0.81 | 20.0 | 300 | 2.07 | 0.16 | 0.24 |
| 20470081 | 3/4 | 18.9 | 1.11 | 28.1 | 300 | 2.07 | 0.26 | 0.36 |
| 20476821 | 1 | 25.4 | 1.37 | 34.8 | 200 | 1.38 | 0.35 | 0.52 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

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Pliovic®



Product Specifications

Application

A lightweight, economical general purpose hose for carrying air, water and many spray solutions, Pliovic® is suitable for a wide range of industrial, construction, agricultural hand sprayers and many multipurpose applications. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 volts DC. Available in Pliovic® GS construction or a thick cover, Pliovic® Plus construction. Non-marking cover.

Construction

>Tube

Black Pliovic®, ARPM Class B (Medium Oil Resistance)

> Cover

Pliovic®, smooth finish, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-10°F to 158°F (-23°C to 70°C) for GS and Plus 250

Packaging

1/4"-1/2" - 750' reels, maximum 3 pieces, 50' increments

5/8" - 500' reels, maximum 3 pieces, 50' increments
(Pliovic® Plus 250 only)

3/4" - 450' reels, maximum 3 pieces, 50' increments
(Pliovic® Plus 250 only)

1" - 400' reels, maximum 3 pieces, 50' increments
(Pliovic® Plus 250 only)

1 1/4"-2" - 300' reels, maximum 3 pieces, 50' increments
(Pliovic® Plus 250 only)

Contact hose marketing for availability on cut, coiled and tied hose lengths.

Branding

Example: Pliovic® GS 3/8" ID (9.5mm) 250 psi WP Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.



Coupled assemblies available.

Order Codes

See next page.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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|-------------------------------|
| Air & Multipurpose |
| General Purpose |
| Heavy Duty |
| Push-on |
| Chemical Transfer |
| Cleaning Equipment |
| Food |
| Dry Transfer |
| Liquid Transfer |
| Washdown |
| Marine |
| Material Handling |
| Abrasives |
| Bulk Transfer |
| Cement & Concrete |
| Mining |
| Petroleum |
| Aircraft Fueling |
| Dispensing |
| Dock |
| Rig Supply |
| Transfer Discharge |
| Transfer S&D |
| Specialty |
| Steam |
| Vacuum |
| Water |
| Discharge |
| Suction & Discharge |
| Washdown |
| Garden |
| Welding |
| Coupling Systems |
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Pliovic® GS

Order Codes: 540-350 (blue), 540-357 (yellow), 540-472 (black), 540-358 (green), 540-406 (red)

| SAP # | | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|----------|------|------|---------|------|---------|------|---------|------|
| Blue | Red | Yellow | Black | Green | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20160220 | 20129505 | 20629533 | | 20645372 | 1/4 | 6.4 | 0.45 | 11.4 | 300 | 2.07 | 0.06 | 0.09 |
| 20566773 | 20129506 | 20129502 | 20566772 | | 5/16 | 7.9 | 0.59 | 15.0 | 300 | 2.07 | 0.11 | 0.16 |
| 20371442 | 20129507 | 20129503 | 20351772 | 20645373 | 3/8 | 9.5 | 0.60 | 15.2 | 300 | 2.07 | 0.09 | 0.13 |
| | 20129508 | 20129504 | 20352500 | 20352636 | 1/2 | 12.7 | 0.78 | 19.8 | 300 | 2.07 | 0.15 | 0.22 |

Hose design ratio (burst pressure) 4:1.

Pliovic® Plus 250

Order Codes: 540-201 (red), 540-227 (blue), 540-232 (green), 540-233 (black), 540-257 (yellow)

| SAP # | | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|----------|-----|------|---------|------|---------|------|---------|------|
| Blue | Red | Green | Black | Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012644 | 20012588 | 20012688 | 20012696 | 20012742 | 1/4 | 6.4 | 0.50 | 12.7 | 250 | 1.72 | 0.08 | 0.12 |
| 20012651 | 20012594 | 20012689 | 20012700 | 20012746 | 3/8 | 9.5 | 0.66 | 16.8 | 250 | 1.72 | 0.13 | 0.19 |
| 20012668 | 20012605 | 20012691 | 20012703 | 20012755 | 1/2 | 12.7 | 0.81 | 20.6 | 250 | 1.72 | 0.17 | 0.25 |
| 20012677 | 20012609 | 20012692 | 20012704 | 20753492 | 5/8 | 15.9 | 0.94 | 23.9 | 250 | 1.72 | 0.20 | 0.30 |
| 20012678 | 20012610 | 20012694 | 20012705 | 20012756 | 3/4 | 19.1 | 1.11 | 28.2 | 250 | 1.72 | 0.28 | 0.42 |
| 20012680 | 20012615 | 20012695 | 20012707 | 20012758 | 1 | 25.4 | 1.38 | 35.1 | 200 | 1.38 | 0.37 | 0.55 |

Hose design ratio (burst pressure) 4:1.

Braidair™



Product Specifications

Application

A quality braided general purpose hose for industrial service, compressor lines, pneumatic tools, water service and low-pressure spray where the need for oil resistance is moderate.

Construction

> Tube

Black synthetic, ARPM Class A (High Oil Resistance)

> Cover

Red synthetic, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One braided synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

1/4"-1" - 400-750' reels, maximum 3 pieces, 50' minimum
 1¼"-1½" - 300' reels, maximum 3 pieces, 50' minimum
 2" - 150-250' carton, maximum 2 pieces, 50' minimum

Branding

Example: Continental ContiTech Braidair™ 300 psi WP (20 bar) 3/8" (9.5 mm)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

536-421 (2")
 536-422 (1/4" - 1½")

Braidair™

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023152 | 1/4 | 6.4 | 0.55 | 14.0 | 300 | 2.07 | 0.11 | 0.16 |
| 20023157 | 3/8 | 9.5 | 0.72 | 18.3 | 300 | 2.07 | 0.18 | 0.26 |
| 20023161 | 1/2 | 12.7 | 0.85 | 21.6 | 300 | 2.07 | 0.21 | 0.31 |
| 20023163 | 3/4 | 19.1 | 1.13 | 28.7 | 300 | 2.07 | 0.32 | 0.48 |
| 20023166 | 1 | 25.4 | 1.47 | 37.3 | 300 | 2.07 | 0.50 | 0.74 |
| 20023168 | 1¼ | 31.8 | 1.80 | 45.7 | 300 | 2.07 | 0.75 | 1.12 |
| 20023169 | 1½ | 38.1 | 2.09 | 53.1 | 300 | 2.07 | 1.00 | 1.49 |
| 20023151 | 2 | 50.8 | 2.50 | 63.5 | 200 | 1.38 | 1.09 | 1.62 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Arctic Ortac® Plus



Product Specifications

Application

Arctic Ortac® Plus is a low-temperature air and multipurpose hose for air, water, oil, fuel oil, and some chemical operations where temperatures fall as low as -65°F.

Construction

> Tube

Black low-temperature, ECO oil-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Blue low-temperature, ECO oil-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

One reinforced textile braid

Temperature Range

-65°F to 180°F (-54°C to 82°C)

Packaging

500' reels, maximum 3 pieces, 50' minimum length

Branding

Example: Continental ContiTech 3/8" (9.5 mm) Arctic Ortac® Plus 2.1 MPa/300 psi Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

536-275

Arctic Ortac® Plus

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20159301 | 1/4 | 6.4 | 0.625 | 15.9 | 300 | 2.07 | 0.16 | 0.24 |
| 20159302 | 3/8 | 9.5 | 0.75 | 19.1 | 300 | 2.07 | 0.21 | 0.31 |
| 20159303 | 1/2 | 12.7 | 0.905 | 23.0 | 300 | 2.07 | 0.27 | 0.40 |
| 20159304 | 3/4 | 19.1 | 1.178 | 29.9 | 300 | 2.07 | 0.39 | 0.58 |
| 20146766 | 1 | 25.4 | 1.503 | 38.2 | 300 | 2.07 | 0.58 | 0.86 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Arctic Ortac®



Product Specifications

Application

Arctic Ortac® (Oil-Resistant Tube and Cover) is our most popular cold temperature multipurpose hose. For use with air, water, oil, kerosene, fuel oil and some chemical applications.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Polychloroprene, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One textile braid

Temperature Range

-65°F to 180°F (-54°C to 82°C)

Packaging

500' reels, maximum 3 pieces, 50' minimum length

Branding

Example: 3/8" (9.5 mm) Arctic Ortac® Continental ContiTech 2.1 MPa/300 psi Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

536-276

Arctic Ortac®

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20116761 | 1/4 | 6.4 | 0.63 | 16.0 | 300 | 2.07 | 0.14 | 0.21 |
| 20116614 | 3/8 | 9.5 | 0.75 | 19.1 | 300 | 2.07 | 0.19 | 0.28 |
| 20116762 | 1/2 | 12.7 | 0.91 | 23.1 | 300 | 2.07 | 0.25 | 0.37 |
| 20116615 | 3/4 | 19.1 | 1.18 | 30.0 | 300 | 2.07 | 0.36 | 0.54 |
| 20116763 | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.58 | 0.86 |
| 20116617 | 1¼ | 31.8 | 1.80 | 45.7 | 300 | 2.07 | 0.74 | 1.10 |
| 20125302 | 1¾ | 34.9 | 1.97 | 50.0 | 300 | 2.07 | 0.92 | 1.37 |
| 20116618 | 1½ | 38.1 | 2.09 | 53.1 | 300 | 2.07 | 1.01 | 1.50 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® Service Station Air



Product Specifications

Application

For tire inflation service from towers, reels or curb connections.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class B (Medium/High Oil Resistance)

> Cover

Red or black nitrile synthetic rubber, abrasion- and oil-resistant, ARPM Class B (Medium/High Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 25' minimum increments

Branding

Example: Continental ContiTech 1/4" Flexsteel® Service Station Air Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.



Coupled assemblies available.

Order Codes

539-078 (red)

539-097 (black)

Flexsteel® Service Station Air

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|-------|---------|------|---------|-----|--------|------|---------|
| | Red | Black | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20023487 | 20023860 | 1/4 | 6.4 | 0.61 | 15.5 | 250 | 1.72 | 0.18 | 0.28 |
| 20023492 | 20023865 | 3/8 | 9.5 | 0.72 | 18.3 | 250 | 1.72 | 0.23 | 0.34 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

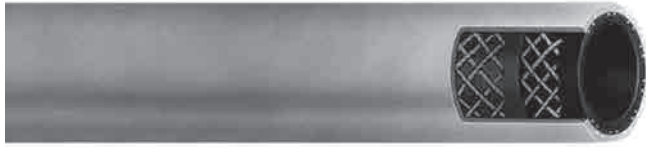
Welding

Coupling Systems

Equipment

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Service Station Air



Product Specifications

Application

For general airline service stations, automobile repair shops, garages, etc.

Construction

> Tube

EPDM synthetic rubber, ARPM Class C (Limited Oil Resistance)

> Cover

EPDM synthetic rubber (red)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Service Station Air Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.



Coupled assemblies available.

Order Codes

569-018

Service Station Air

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026058 | 1/4 | 6.35 | 0.59 | 14.99 | 250 | 1.72 | 0.16 | 0.24 |
| 20026063 | 3/8 | 9.53 | 0.71 | 18.03 | 250 | 1.72 | 0.21 | 0.31 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

MIL A-A-59565 Military Air Hose



Product Specifications

Application

This commercial item description (CID) covers rubber hose and rubber hose assemblies with yarn, cord or fabric reinforcement intended for light duty air applications. The General Services Administration has authorized the use of this commercial item description for all federal agencies.

Construction

> Tube

EPDM, ARPM Class C (Limited Oil Resistance)

> Cover

EPDM, ARPM Class C (Limited Oil Resistance)

> Reinforcement

2-spiral synthetic cord, 1/4" ID through 5/8" ID

4-spiral synthetic cord, 3/4" ID through 1 1/4" ID

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

Bulk reels (alternative packaging specs available upon request).

Branding

Example: Pneumatic A-A-59565 Continental ContiTech 200 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Code

569-536

MIL A-A-59565 Military Air Hose

| SAP # | Size Code | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----------|------|------|---------|------|---------|------|---------|------|
| | | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026886 | 04 | 1/4 | 6.4 | 0.55 | 13.9 | 200 | 1.38 | 0.10 | 0.15 |
| 20026893 | 06 | 3/8 | 9.5 | 0.75 | 19.1 | 200 | 1.38 | 0.17 | 0.25 |
| 20697646 | 07 | 7/16 | 11.1 | 0.83 | 21.2 | 150 | 1.03 | 0.21 | 0.31 |
| 20026900 | 08 | 1/2 | 12.7 | 0.87 | 22.2 | 150 | 1.03 | 0.21 | 0.31 |
| 20100167 | 12 | 3/4 | 19.1 | 1.14 | 29.0 | 125 | 0.86 | 0.35 | 0.52 |
| 20026909 | 16 | 1 | 25.4 | 1.52 | 38.5 | 125 | 0.86 | 0.58 | 0.86 |

Hose design ratio (burst pressure) 5:1.

- Air & Multipurpose
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
 - Steam
 - Vacuum
 - Water Discharge
 - Suction & Discharge
 - Washdown
 - Garden
 - Welding
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Nitrogen Service Hose



Product Specifications

Application

For in-plant nitrogen service at petrochemical plants, refineries and general manufacturing.

Construction

> Tube

EPDM synthetic rubber

> Cover

EPDM synthetic rubber

> Reinforcement

4-spiral polyester

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increment

Branding

Continental ContiTech 3/4" ID 300 psi WP Nitrogen Service Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-516 (yellow)

569-562 (blue)

569-559 (black)

569-560 (green)

Nitrogen Service Hose

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|-----|------|---------|------|---------|------|---------|------|
| Yellow | Blue | Black | Green | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026847 | 20315149 | 20463406 | 20867824 | 3/4 | 19.1 | 1.15 | 29.2 | 300 | 2.07 | 0.42 | 0.62 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

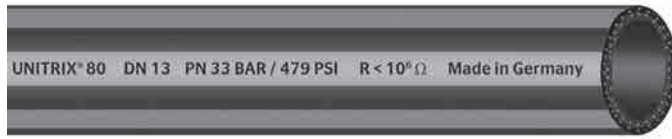
Welding

Coupling Systems

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UNITRIX® 80

NEW


Product Specifications

Application

The multipurpose hose UNITRIX® 80 provides best results when used in the areas of mechanical engineering, farming, forestry, garages, quarries, construction sites as well as shipbuilding and the railway industry. It can be used with compressors, barrel pumps and aggregates. It can also be used in mineral oil, chemical and petrochemical industries. UNITRIX® 80 is the right hose for conveying benzene, mineral oil, kerosene, motor oil, compressed air, cold and hot water with or without detergent additives, vegetable oils, animal fats, diluted acids, technical alcohols, pesticides and salt solutions. Ideal for oil cooling lines. This hose is manufactured to European standards.

Construction

> Tube

Black, non-porous and smooth NBR (nitrile) tube, ARPM Class A (High Oil Resistance)

> Cover

Black, smooth NBR (nitrile) cover, resistant to ozone, weather, UV, oil, grease and chemicals. >1" fabric impression, electrically conductive $R > 10^6 \Omega$, ARPM Class A (High Oil Resistance)

> Reinforcement

Synthetic fibers

Temperature Range

-40°F to 185°F (-40°C to 85°C)

Branding

6 olive-colored axial markings on black cover. *Continental ContiTech UNITRIX® 80 DN 13 PN 33 BAR / 479 PSI R < $10^6 \Omega$ Made in Germany

UNITRIX® 80

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|-------|------|---------|----|---------|-----|-------------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20836450 | 1/4 | 6.4 | 0.56 | 14 | 479 | 3.3 | 1 | 25 | 0.13 | 0.19 |
| 20836451 | 5/16 | 7.9 | 0.63 | 16 | 479 | 3.3 | 1.34 | 35 | 0.15 | 0.23 |
| 20836452 | 3/8 | 9.5 | 0.69 | 18 | 479 | 3.3 | 1.56 | 40 | 0.18 | 0.26 |
| 20836453 | 1/2 | 12.7 | 0.88 | 22 | 479 | 3.3 | 2.19 | 55 | 0.25 | 0.37 |
| 20836454 | 5/8 | 15.9 | 0.98 | 25 | 261 | 1.8 | 2.56 | 65 | 0.29 | 0.43 |
| 20836455 | 3/4 | 19.1 | 1.14 | 29 | 261 | 1.8 | 3.38 | 85 | 0.60 | 0.90 |
| 20836456 | 1 | 25.4 | 1.44 | 37 | 479 | 3.3 | 4.5 | 115 | 0.57 | 0.84 |
| 20836457 | 1 1/4 | 31.8 | 1.75 | 44 | 479 | 3.3 | 7.5 | 190 | 0.63 | 0.9 |
| 20836458 | 1 1/2 | 38.1 | 2.00 | 51 | 479 | 3.3 | 9.06 | 230 | 0.77 | 1.15 |
| 20836459 | 2 | 50.8 | 2.5 | 64 | 479 | 3.3 | 11.81 | 300 | 1.08 | 1.61 |
| 20836460 | 2 3/8 | 60.3 | 3.00 | 76 | 479 | 3.3 | 15.75 | 400 | 1.52 | 2.26 |

Hose design ratio (burst pressure) 2.5:1.

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine
Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining
Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

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Equipment
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UNITRIX® 60

NEW



Product Specifications

Application

The multipurpose hose UNITRIX® 60 provides best results when used in the areas of mechanical engineering, farming, forestry, garages, quarries, construction sites as well as shipbuilding and the railway industry. It can also be used in the areas of the mineral oil industry and the chemical and petrochemical industry. UNITRIX® 60 is the right hose for conveying benzene, mineral oil, kerosene, motor oil, compressed air, cold and hot water with or without detergent additives, vegetable oils, animal fats, diluted acids, technical alcohols, pesticides and salt solutions. Ideal for oil cooling lines up to 261 psi. This hose is manufactured to European standards.

Construction

> Tube

Black, non-porous and smooth NBR (nitrile) tube, ARPM Class A (High Oil Resistance)

> Cover

Black, smooth NBR (nitrile) cover, resistant to ozone, weather, UV, oil, grease, and chemicals, ARPM Class A (High Oil Resistance)

> Reinforcement

Synthetic fibers

Temperature Range

-13°F to 185°F (-25°C to 85°C)

Branding

6 tobacco brown-colored axial markings on black cover.
 *Continental ContiTech UNITRIX® 60 DN 13 PN 20 BAR / 290 PSI R < 10⁶ Ω Made in Germany

UNITRIX® 60

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|-----|------|---------|----|---------|-----|-------------|----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20853782 | 5/8 | 15.9 | 0.98 | 25 | 261 | 1.8 | 2 9/16 | 65 | 0.29 | 0.43 |
| 20853781 | 3/4 | 19.1 | 1.14 | 29 | 261 | 1.8 | 3 3/8 | 85 | 0.60 | 0.90 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Heavy Duty



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

| | Page | MSHA | Oil Resistance Tube* | Oil Resistance Cover* | Temp. Range | Textile | Wire | Braided | Wrapped Finish |
|--------------------------|------|------|----------------------|-----------------------|------------------------------------|---------|------|---------|----------------|
| Plicord Air 400 | 37 | | C | C | -25°F to 180°F (-32°C to 82°C) | Yes | | | Yes |
| Plicord Super Rock Drill | 36 | Yes | A | B | -40°F to 220°F (-40°C to 104°C) | | Yes | | Yes |
| Prospector Air | 39 | | C | C | -40°F to 220°F (-40°C to 104°C) | Yes | | Yes | Yes |
| Prospector Plus Air | 38 | | C | C | -40°F to 220°F (-40°C to 104°C) | Yes | | Yes | Yes |
| Steel Air | 34 | Yes | B | B | -40°F to 210°F (-40°C to 99°C) | | Yes | Yes | Yes |
| Super Ortac | 33 | Yes | B | B | -20°F to 210°F (-29°C to 99°C) | | Yes | Yes | |
| Ultradraid Bull Hose | 35 | | B | B | -40°F to 302°F (-40°C to 150°C) | | Yes | Yes | Yes |

*Based on ARPM oil classification. For more information, see Appendix C.

Super Ortac®



Product Specifications

Application

For heavy-duty service in handling air, water, oil, petroleum-based solvents and agricultural spray solutions.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Cover

Yellow Chemivic synthetic rubber, ARPM Class B (Medium Oil Resistance), smooth finish, pin-pricked, MSHA approved

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

1/2"-1" - 500' reels, maximum 3 pieces, 50' increments
 1¼"-1½" - 300' reels, maximum 3 pieces, 50' increments
 2" - 100-200' per carton, maximum 3 pieces, 50' increments
 All sizes also stocked in cut and coiled 50' lengths, 2 pieces per carton.

Branding

Example: Continental ContiTech 1" Super Ortac® 1000 psi Fire-resistant USMSHA 2G-IC-14C/38 Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

539-152

Super Ortac®

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20024051 | 1/2 | 12.7 | 0.91 | 23.1 | 1000 | 6.9 | 0.34 | 0.51 |
| 20024056 | 3/4 | 19.1 | 1.14 | 29.0 | 1000 | 6.9 | 0.44 | 0.65 |
| 20024066 | 1 | 25.4 | 1.45 | 36.8 | 1000 | 6.9 | 0.63 | 0.94 |
| 20024070 | 1¼ | 31.8 | 1.75 | 44.5 | 1000 | 6.9 | 0.86 | 1.28 |
| 20024074 | 1½ | 38.1 | 1.98 | 50.8 | 1000 | 6.9 | 1.08 | 1.61 |
| 20024077 | 2 | 50.8 | 2.55 | 64.3 | 1000 | 6.9 | 1.57 | 2.34 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Steel Air



Product Specifications

Application

A heavy-duty, wrapped finish, single wire braid or spiral ply wire air hose for higher pressure service in severe industrial applications, including service in mines, quarries and construction jobs.

Construction

> Tube

Black nitrile synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Cover

Yellow Chemivac synthetic rubber (wrapped impression), ARPM Class B (Medium Oil Resistance), MSHA approved

> Reinforcement

One braided steel wire (1/2"-1 1/2")

Spiral-plied steel wire (2"-4")

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

50' and 100' length, coiled

Branding

Example: Continental ContiTech Steel Air 500 psi 3.4 MPa 2" (50.8 mm)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

See below.

Steel Air

Order Codes: 539-159 (1/2"-1 1/2"), MSHA 2G-IC-14C/38

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20174720 | 1/2 | 12.7 | 0.91 | 23.1 | 750 | 5.17 | 0.34 | 0.51 |
| 20174724 | 3/4 | 19.1 | 1.14 | 29.0 | 750 | 5.17 | 0.45 | 0.67 |
| 20174775 | 1 | 25.4 | 1.45 | 36.6 | 750 | 5.17 | 0.66 | 1.00 |
| 20174776 | 1 1/4 | 31.8 | 1.81 | 46.0 | 500 | 3.45 | 0.98 | 1.46 |
| 20317183 | 1 1/2 | 38.1 | 1.98 | 50.2 | 500 | 3.45 | 0.97 | 1.44 |

Hose design ratio (burst pressure) 4:1.

Steel Air

Order Codes: 549-209 (2"-4"), MSHA IC 11/7

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20316409 | 2 | 50.8 | 2.66 | 67.6 | 500 | 3.45 | 1.59 | 2.36 |
| 20317186 | 2 1/2 | 63.5 | 3.33 | 84.6 | 500 | 3.45 | 2.63 | 3.91 |
| 20316204 | 3 | 76.2 | 3.81 | 96.8 | 500 | 3.45 | 3.07 | 4.57 |

Hose design ratio (burst pressure) 4:1.

Also available with EPDM synthetic rubber tube and cover where superior heat resistance is more important than oil resistance.

Ultrabraid® Bull Hose

NEW



Product Specifications

Application

Ultrabraid® Bull Hose is a heavy-duty air hose engineered for severe high pressure industrial applications such as service in mines, quarries and construction jobs. Designed to maintain mild oil resistance and durability in high temperature applications up to 302°F with a working pressure rating of 600 psi.

Construction

> Tube

Black CPE synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Cover

Black Oil-resistant CPE synthetic rubber, ARPM Class B (Medium Oil Resistance), with a thick yellow stripe

> Reinforcement

Brass-coated high tensile steel wire braid

Temperature Range

-40°F to 302°F (-40°C to 150°C)

Packaging

50' or 100' cut lengths, coiled and stretch-wrapped in a box

Branding

Example: Continental ContiTech 2" Ultrabraid® HD Bull Hose 600 psi WP 300°F

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

559-406

Ultrabraid® Bull Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20936476 | 2 | 51.2 | 2.57 | 65.3 | 600 | 4.14 | 1.54 | 2.29 |
| 20937717 | 3 | 76.2 | 3.56 | 90.5 | 600 | 4.14 | 2.84 | 4.23 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Super Rock Drill



Product Specifications

Application

An extra heavy-duty, high-pressure hose for pneumatic service in mining, construction and industrial service where working conditions are especially severe.

Construction

> Tube

Black, heat-resistant nitrile (ORS) synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Blue Chemivic synthetic with spiral yellow transfer stripe (wrapped impression) MSHA approved, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Spiral-plied steel wire

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Super Rock Drill ORS 500 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-285

Plicord® Super Rock Drill

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20316205 | 2½ | 63.5 | 3.45 | 87.7 | 500 | 3.45 | 2.96 | 4.40 |
| | 3 | 76.2 | 3.94 | 100.1 | 500 | 3.45 | 3.44 | 5.12 |
| | 4 | 101.6 | 4.96 | 126.0 | 400 | 2.76 | 4.55 | 6.77 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Air 400



Product Specifications

Application

A versatile, heavy-duty air hose for use in rough industrial applications or for severe service in mines, quarries and construction jobs.

Construction

> Tube

Black SBR synthetic rubber, ARPM Class C (Limited Oil Resistance) (non-conductive)

> Cover

Green SBR synthetic rubber (wrapped impression), ARPM Class C (Limited Oil Resistance)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Air 400 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 549-006 (green)
- 549-012 (yellow)
- 549-093 (blue)

Plicord® Air 400

| SAP # | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|-----|------|---------|------|---------|------|---------|------|
| Green | Yellow | Blue | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018818 | 20018874 | 20120235 | 1/2 | 12.7 | 0.88 | 22.4 | 400 | 2.76 | 0.23 | 0.34 |
| 20018820 | 20018876 | 20149350 | 3/4 | 19.1 | 1.23 | 31.2 | 400 | 2.76 | 0.45 | 0.67 |
| 20018823 | 20137003 | 20149332 | 1 | 25.4 | 1.50 | 38.1 | 400 | 2.76 | 0.58 | 0.86 |
| 20159322 | 20132332 | 20149333 | 1¼ | 31.8 | 1.79 | 45.5 | 400 | 2.76 | 0.74 | 1.10 |
| 20018828 | 20018885 | 20149334 | 1½ | 38.1 | 2.04 | 51.8 | 400 | 2.76 | 0.86 | 1.28 |
| 20018830 | 20018887 | 20149335 | 2 | 50.8 | 2.55 | 64.7 | 400 | 2.76 | 1.11 | 1.65 |
| 20018831 | 20018893 | 20126206 | 2½ | 63.5 | 3.16 | 80.2 | 400 | 2.76 | 1.64 | 2.44 |
| 20018832 | 20024735 | 20031961 | 3 | 76.2 | 3.70 | 94.0 | 400 | 2.76 | 2.14 | 3.18 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Plus Air



Product Specifications

Application

A versatile, heavy-duty air hose for mining, construction and industrial applications where medium pressures are encountered.

Construction

> Tube

Black EPDM synthetic rubber (536-508),
ARPM Class C black EPDM synthetic rubber (549-317)

> Cover

Yellow EPDM (wrapped impression)

> Reinforcement

One braided synthetic yarn (1/2"-1")
Spiral-plied synthetic fabric (1¼"-4")

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Packaging

50' length, coiled

Branding

Example: 1" 25.4 mm Prospector™ Plus Air 400 psi
2.8 MPa WP Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

536-508 (1/2" - 1")
549-317 (1¼" - 4")

Prospector™ Plus Air

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20070685 | 1/2 | 12.7 | 0.94 | 23.9 | 400 | 2.76 | 0.24 | 0.36 |
| 20070734 | 3/4 | 19.1 | 1.19 | 30.2 | 400 | 2.76 | 0.38 | 0.57 |
| 20070738 | 1 | 25.4 | 1.49 | 37.9 | 400 | 2.76 | 0.54 | 0.80 |
| 20317200 | 1¼ | 31.8 | 1.66 | 42.2 | 400 | 2.76 | 0.56 | 0.83 |
| 20317201 | 1½ | 38.1 | 2.01 | 51.1 | 400 | 2.76 | 0.83 | 1.24 |
| 20317204 | 2 | 50.8 | 2.54 | 64.4 | 400 | 2.76 | 1.08 | 1.61 |
| 20317223 | 2½ | 63.5 | 3.17 | 80.6 | 400 | 2.76 | 1.70 | 2.53 |
| 20317210 | 3 | 76.2 | 3.66 | 93.0 | 400 | 2.76 | 2.00 | 2.98 |
| 20317214 | 4 | 101.6 | 4.78 | 121.5 | 400 | 2.76 | 2.92 | 4.35 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Air



Product Specifications

Application

A versatile, heavy-duty air hose for mining, construction and industrial applications.

Construction

> Tube

Black EPDM synthetic rubber, ARPM Class C (Limited Oil Resistance) (536-509)

Black SBR synthetic rubber, ARPM Class C (Limited Oil Resistance) (549-943)

> Cover

Yellow EPDM synthetic rubber (wrapped impression), ARPM Class C (Limited Oil Resistance)

> Reinforcement

One braided synthetic yarn (1/2"-1")

Spiral-plied synthetic fabric (1¼"-3")

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Packaging

50' lengths, coiled

Branding

Example: 1" 24.4 mm Prospector™ Air 300 psi 2.1 MPa WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

536-509 (1/2"-1")

549-943 (1¼"-3")

Prospector™ Air

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20070687 | 1/2 | 12.7 | 0.89 | 22.6 | 300 | 2.07 | 0.24 | 0.36 |
| 20070736 | 3/4 | 19.1 | 1.19 | 30.2 | 300 | 2.07 | 0.37 | 0.55 |
| 20070739 | 1 | 25.4 | 1.49 | 37.9 | 300 | 2.07 | 0.53 | 0.79 |
| 20020467 | 1¼ | 31.8 | 1.66 | 42.2 | 300 | 2.07 | 0.58 | 0.86 |
| 20020471 | 1½ | 38.1 | 2.01 | 51.1 | 300 | 2.07 | 0.83 | 1.24 |
| 20020475 | 2 | 50.8 | 2.57 | 65.3 | 300 | 2.07 | 1.20 | 1.79 |
| 20130394 | 2½ | 63.7 | 3.13 | 79.4 | 300 | 2.07 | 1.56 | 2.32 |
| 20020480 | 3 | 76.1 | 3.56 | 90.6 | 300 | 2.07 | 1.67 | 2.48 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Push-on



| | Page | Superior Abrasion Cover | MSHA | Non-conductive | Oil Resistance Tube* | Oil Resistance Cover* | Braided | Robotic Service | General Industrial |
|-------------------|-------|-------------------------|------|----------------|----------------------|-----------------------|---------|-----------------|--------------------|
| FLEXAGrip | 41-42 | Yes | Yes | Yes | A | A | Yes | Yes | Yes |
| Insta-Grip 250 | 44 | | | Yes | A | B | | | Yes |
| Insta-Grip 300 | 43 | | Yes | Yes | A | B | Yes | | Yes |
| Insta-Grip HT 300 | 45 | | | | B | B | Yes | | Yes |
| Insta-Grip TC | 46 | | | | A | B | Yes | | Yes |

*Based on ARPM oil classification. For more information, see Appendix C.

- Air & Multipurpose**
- General Purpose
- Heavy Duty
- Push-on

- Chemical Transfer

- Cleaning Equipment

- Food**
- Dry Transfer
- Liquid Transfer
- Washdown

- Marine

- Material Handling**
- Abrasives
- Bulk Transfer
- Cement & Concrete

- Mining

- Petroleum**
- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

- Specialty

- Steam

- Vacuum

- Water**
- Discharge
- Suction & Discharge
- Washdown
- Garden

- Welding

- Coupling Systems

- Equipment

- Appendix

FLEXAGrip™



Product Specifications

Application

For use with push-on fittings at maximum working pressures of 400 psi.* For low-pressure hydraulic pneumatic systems such as robotics, shop air systems, and general industrial, maintenance and automotive assembly applications. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 volts DC. MSHA approved covers. Silicone is not used in the manufacture of this hose.

Construction

> Tube

Chemivoc oil- and heat-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

MSHA approved black (USMSHA 2G-1C-14C/27. Blue, gray, green, red, white, brown and yellow (USMSHA 2G-1C-14C/28) (For others contact customer service), weather-, abrasion- and oil-resistant Carbryn™ rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

One braided high-strength synthetic yarn laid at an angle for strength and coupling holding ability

Temperature Range

-40°F to 210°F (-40°C to 99°C)

*1" rated at 300 psi

Packaging

500' reels, maximum 4 pieces, 10' minimum length

Branding

Example: FLEXAGrip™ Non-conductive 3/8" 400 psi WP Flame-resistant USMSHA 2G-1C-14C/27 Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 535-283 (black)
- 535-284 (blue)
- 535-285 (gray)
- 535-286 (green)
- 535-289 (red)
- 535-290 (white)
- 535-292 (brown)
- 535-551 (yellow)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

FLEXAGrip™

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|----------|----------|----------|------|------|---------|------|---------|------|-------------|-----|---------|------|
| Black | Blue | Gray | Green | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20022699 | | | | 3/16 | 4.8 | 0.36 | 9.10 | 400 | 2.76 | 3 | 64 | 0.04 | 0.06 |
| 20022700 | 20022719 | 20022736 | 20022750 | 1/4 | 6.4 | 0.51 | 13.0 | 400 | 2.76 | 3 | 64 | 0.08 | 0.12 |
| 20022703 | 20022722 | 20022739 | 20022752 | 3/8 | 9.5 | 0.67 | 17.0 | 400 | 2.76 | 3 | 76 | 0.13 | 0.19 |
| 20022706 | 20022726 | 20022742 | 20022754 | 1/2 | 12.7 | 0.76 | 19.3 | 400 | 2.76 | 5 | 127 | 0.14 | 0.21 |
| 20022711 | 20022730 | 20022745 | 20022757 | 5/8 | 15.9 | 0.93 | 23.6 | 400 | 2.76 | 6 | 152 | 0.19 | 0.28 |
| 20022714 | 20022732 | 20022747 | 20022759 | 3/4 | 19.1 | 1.06 | 26.9 | 400 | 2.76 | 7 | 178 | 0.26 | 0.37 |
| 20141684 | 20146787 | 20148619 | 20146786 | 1 | 25.4 | 1.34 | 34.0 | 300 | 2.07 | 8 | 203 | 0.34 | 0.51 |

Hose design ratio (burst pressure) 4:1.

FLEXAGrip™

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | | |
|----------|----------|----------|----------|----------|------|---------|------|---------|------|-------------|-----|---------|------|------|
| Red | White | Brown | Yellow | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m | |
| | | | | 3/16 | 4.8 | 0.36 | 9.10 | 400 | 2.76 | 3 | 64 | 0.04 | 0.06 | |
| 20022767 | 20022782 | 20022806 | 20022827 | 1/4 | 6.4 | 0.51 | 13.0 | 400 | 2.76 | 3 | 64 | 0.08 | 0.12 | |
| 20022772 | 20022784 | 20022808 | 20022829 | 3/8 | 9.5 | 0.67 | 17.0 | 400 | 2.76 | 3 | 76 | 0.13 | 0.19 | |
| 20022775 | 20022786 | 20022810 | 20022830 | 1/2 | 12.7 | 0.76 | 19.3 | 400 | 2.76 | 5 | 127 | 0.14 | 0.21 | |
| 20022777 | | | | 20022832 | 5/8 | 15.9 | 0.93 | 23.6 | 400 | 2.76 | 6 | 152 | 0.19 | 0.28 |
| 20022779 | 20022789 | 20022812 | 20022833 | 3/4 | 19.1 | 1.06 | 26.9 | 400 | 2.76 | 7 | 178 | 0.26 | 0.37 | |
| 20112353 | | | | 1 | 25.4 | 1.34 | 34.0 | 300 | 2.07 | 8 | 203 | 0.34 | 0.51 | |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Grip™ 300



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Product Specifications

Application

For use with push-on fittings at working pressures of 300 psi. For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive assembly applications. Non-conductive, minimum electrical resistance, greater than 1 megohm per inch of hose length at 1000 volts DC. MSHA approved covers.

Construction

> Tube

Silicone is not used in the manufacturing of this hose. Chemivic oil- and heat-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Black, green, blue, red, yellow and gray (for others contact customer service); MSHA approved, weather-, abrasion- and oil-resistant synthetic rubber; ARPM Class B (Medium Oil Resistance).

> Reinforcement

One braided high-strength synthetic yarn laid at the most effective angle for maximum strength and coupling holding ability.

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

500' reels, maximum 4 pieces, 10' minimum

Branding

Example: Insta-Grip™ 1/4" 300 psi WP Flame-resistant USMSHA 2G-IC-14C/33 Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 535-278 (black)
- 535-279 (green)
- 535-294 (gray)
- 535-280 (red)
- 535-281 (blue)
- 535-277 (yellow)

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Grip™ 300

| SAP # | | | | | | ID | Nom. OD | | Max. WP | | Bend Radius | | Weight | | |
|----------|----------|----------|----------|----------|----------|------|---------|------|---------|-----|-------------|-----|--------|---------|------|
| Black | Green | Gray | Red | Blue | Yellow | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20474584 | | | | | | 3/16 | 4.8 | 0.38 | 9.7 | 300 | 2.07 | 3 | 64 | 0.05 | 0.07 |
| 20022636 | 20022656 | 20022816 | 20022666 | 20022677 | 20447145 | 1/4 | 6.4 | 0.54 | 13.7 | 300 | 2.07 | 3 | 64 | 0.10 | 0.15 |
| 20022644 | 20022658 | 20022819 | 20022668 | 20022681 | 20447146 | 3/8 | 9.5 | 0.69 | 17.5 | 300 | 2.07 | 3 | 76 | 0.14 | 0.21 |
| 20022648 | 20022661 | 20022823 | 20022671 | 20022684 | 20295159 | 1/2 | 12.7 | 0.81 | 20.6 | 300 | 2.07 | 5 | 127 | 0.17 | 0.25 |
| 20022651 | 20022663 | 20022825 | 20022673 | 20022685 | | 5/8 | 15.9 | 0.93 | 23.6 | 300 | 2.07 | 6 | 152 | 0.20 | 0.30 |
| 20022653 | 20022664 | 20022826 | 20022674 | 20022686 | 20237027 | 3/4 | 19.1 | 1.07 | 27.2 | 300 | 2.07 | 7 | 178 | 0.26 | 0.39 |

Hose design ratio (burst pressure) 4:1.

Insta-Grip™ 250



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Product Specifications

Application

For industrial service with push-on fittings at working pressures of 250 psi. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 volts DC.

Construction

> Tube

Chemivac oil- and heat-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Red, black, or green Chemivac, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Spiral aramid yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Insta-Grip™ Non-conductive 3/8" (9.5 mm) 250 psi WP Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 569-013 (red)
- 569-014 (black)
- 569-015 (green)
- 569-016 (gray)

Insta-Grip™ 250

| SAP # | ID | | | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|----------|----------|------|---------|------|---------|-----|---------|------|------|
| | Red | Black | Green | Gray | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20025988 | 20026001 | 20026043 | 20160048 | 1/4 | 6.4 | 0.51 | 12.7 | 250 | 1.72 | 0.08 | 0.12 |
| 20025994 | 20026012 | 20026046 | 20026055 | 3/8 | 9.5 | 0.65 | 16.5 | 250 | 1.72 | 0.12 | 0.18 |
| 20025999 | 20026030 | 20026050 | 20026057 | 1/2 | 12.7 | 0.80 | 20.3 | 250 | 1.72 | 0.17 | 0.25 |
| 20026035 | 20026035 | 20475077 | 20195088 | 5/8 | 15.9 | 0.94 | 23.9 | 250 | 1.72 | 0.23 | 0.34 |
| 20026037 | 20026037 | | 20195089 | 3/4 | 19.1 | 1.08 | 27.4 | 250 | 1.72 | 0.28 | 0.42 |

Hose design ratio (burst pressure) 4:1.

Insta-Grip™ HT 300

NEW



Product Specifications

Application

For lubricating and fuel oils, air and water. Not recommended for applications involving impulse movements or air brake applications. For use with push-on fittings at working pressures up to 300 psi.

Construction

> Tube

Black CPE rubber, ARPM Class B (Medium Oil Resistance)

> Cover

Blue CPE rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One synthetic textile braid

Temperature Range

Petroleum-based hydraulic fluids:

-40°F to 300°F (-40°C to 150°C)

Water and air:

-40°F to 190°F (-40°C to 88°C)

Branding

Example: Continental ContiTech Insta-Grip™ HT 3/4" 300 psi WP Made in USA

Fittings

All fittings compatible with the Insta-Grip™ HT 300 hose family are listed in Section 7 of the Hydraulic Catalog.

Order Codes

535-405

Insta-Grip™ HT 300

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|-----|------|---------|------|---------|-----|-------------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20544196 | 1/4 | 6.4 | 0.51 | 12.8 | 300 | 2.1 | 2.5 | 64 | 0.09 | 0.13 |
| 20544197 | 3/8 | 9.5 | 0.67 | 17.0 | 300 | 2.1 | 3.0 | 76 | 0.14 | 0.21 |
| 20544198 | 1/2 | 12.7 | 0.76 | 19.3 | 300 | 2.1 | 5.0 | 127 | 0.16 | 0.24 |
| 20544199 | 5/8 | 15.9 | 0.93 | 23.6 | 300 | 2.1 | 6.0 | 152 | 0.20 | 0.30 |
| 20571923 | 3/4 | 19.0 | 1.04 | 26.5 | 300 | 2.1 | 7.0 | 178 | 0.25 | 0.37 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Grip™ TC



Product Specifications

Application

For low-pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive assembly applications.

Construction

> Tube

Chemivac oil- and heat-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Black, dyed textile braid, mildew- and oil-resistant

> Reinforcement

One braided high-strength synthetic yarn laid at an angle for strength and coupling holding ability

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

500' reels, maximum 4 pieces, 10' minimum length

Branding

Example: Insta-Grip™ TC 3/8" 300 psi WP Made in USA
Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

535-230

Insta-Grip™ TC

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Weight | | |
|----------|------|---------|------|---------|-----|-------------|----|---------|------|------|
| | | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m | |
| 20022593 | 1/4 | 6.4 | 0.50 | 12.7 | 300 | 2.07 | 3 | 64 | 0.08 | 0.12 |
| 20022595 | 5/16 | 7.9 | 0.56 | 14.2 | 300 | 2.07 | 3 | 76 | 0.09 | 0.13 |
| 20022597 | 3/8 | 9.5 | 0.64 | 16.3 | 300 | 2.07 | 3 | 76 | 0.11 | 0.16 |
| 20022600 | 1/2 | 12.7 | 0.75 | 19.1 | 300 | 2.07 | 5 | 127 | 0.13 | 0.19 |
| 20022602 | 5/8 | 15.9 | 0.91 | 23.1 | 300 | 2.07 | 6 | 152 | 0.19 | 0.28 |
| 20022604 | 3/4 | 19.1 | 1.03 | 26.2 | 300 | 2.07 | 7 | 178 | 0.21 | 0.31 |

Hose design ratio (burst pressure) 4:1.

- Air & Multipurpose
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Chemical Transfer



| | Page | Temp. Range* | Superior Flexibility | Superior Abrasion Cover | Cover Color |
|--------------------------------|------|------------------------------------|----------------------|-------------------------|---------------|
| Blue Flexwing | 60 | -25°F to 150°F (-32°C to 66°C) | | | Blue |
| Brown Flexwing | 57 | -30°F to 275°F (-34°C to 135°C) | | | Brown |
| Chem One | 49 | -40°F to 250°F (-40°C to 121°C) | Yes | Yes | Black |
| Conti Chem Superior FEP | 63 | -22°F to 212°F (-30°C to 100°C) | | | Black |
| DEF Transfer Hose - Braided | 62 | -40°F to 257°F (-40°C to 125°C) | | | Black |
| DEF Transfer Hose - Hand Built | 61 | -40°F to 257°F (-40°C to 125°C) | | | Black |
| Fabchem | 52 | -40°F to 150°F (-40°C to 66°C) | Yes | | Green |
| Fabchem-C | 53 | -40°F to 212°F (-40°C to 100°C) | Yes | | Black |
| Green XLPE | 51 | -25°F to 150°F (-32°C to 66°C) | | | Green |
| Hi-Per | 48 | -40°F to 300°F (-40°C to 149°C) | | | Blue |
| Infinity Chemical | 54 | -40°F to 160°F (-40°C to 71°C) | Yes | | Yellow/Orange |
| Orange Flexwing | 59 | -25°F to 250°F (-32°C to 121°C) | | | Orange |
| Plicord ExtremeFlex Brown | 55 | -30°F to 275°F (-34°C to 135°C) | Yes | | Brown |
| Plicord ExtremeFlex Purple | 56 | -40°F to 221°F (-40°C to 105°C) | Yes | | Purple |
| Purple Flexwing | 58 | -40°F to 221°F (-40°C to 105°C) | | | Purple |
| Viper | 50 | -40°F to 250°F (-40°C to 121°C) | Yes | Yes | Black |

*Temperature is contingent on the specific chemical conveyed.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Hi-Per®



Product Specifications

Application

A premium hose that is FEP-lined to handle a broad spectrum of fluids and materials in a wide variety of applications.

Construction

> Tube

FEP has FDA/USDA compliant materials

> Cover

Blue EPDM synthetic rubber with bright orange spiral transfer tape (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 300°F (-40°C to 149°C)

Packaging

Custom lengths available (minimum 5')

Branding (Spiral)

Example: Continental ContiTech Hi-Per® Universal Chemical Hose FEP Lined

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

Order in increments of 100' for 1/2"-2"

Order in increments of 60' for 2½" and larger sizes

Order Codes

546-256

Hi-Per®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Blue | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20018637 | 1/2 | 12.7 | 0.97 | 24.6 | 200 | 1.38 | 3 | 76 | 29 | 737 | 0.37 | 0.55 |
| 20018639 | 3/4 | 19.1 | 1.11 | 28.2 | 200 | 1.38 | 5 | 127 | 29 | 737 | 0.56 | 0.83 |
| 20018642 | 1 | 25.4 | 1.52 | 38.6 | 200 | 1.38 | 8 | 191 | 29 | 737 | 0.71 | 1.06 |
| 20018644 | 1¼ | 31.8 | 1.73 | 43.9 | 200 | 1.38 | 11 | 279 | 29 | 737 | 0.84 | 1.25 |
| 20018647 | 1½ | 38.1 | 2.13 | 54.1 | 200 | 1.38 | 14 | 356 | 29 | 737 | 1.24 | 1.85 |
| 20018650 | 2 | 50.8 | 2.69 | 68.3 | 200 | 1.38 | 18 | 457 | 29 | 737 | 1.71 | 2.54 |
| 20157471 | 3 | 76.2 | 3.67 | 93.2 | 200 | 1.38 | 35 | 889 | 29 | 737 | 2.52 | 3.75 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Chem One™



Product Specifications

Application

For the transfer of a variety of current industrial chemicals used today. For use in pressure, gravity flow and/or suction service. (Refer to ContiTech Chemical Resistance Guide for compatibility.)

Construction

> Tube

Alphasyn® modified cross-linked polyethylene (Modified XLPE)

> Cover

Black corrugated abrasion-resistant Omegasyn EPDM. Color options have an EPDM cover

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Packaging

Coiled and poly-wrapped. Contact customer service for cut lengths.

Branding

Example: Chem One™ Chemical Transfer Hose Alphasyn® 200 psi WP Continental ContiTech

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications

Order Codes

| | |
|------------------|--------------------------------|
| 546-661 (black) | 546-511 (white) |
| 546-506 (green) | 546-519 (orange) |
| 546-507 (blue) | 546-521 (gray) |
| 546-508 (red) | 546-527 (brown) |
| 546-509 (purple) | 546-556 (black/chrome mandrel) |
| 546-510 (yellow) | 546-590 (ARC) |

Chem One™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|-----|---------|-----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20408836 | 3/4 | 19.0 | 1.2 | 30.8 | 200 | 1.38 | 2 | 50.8 | 29 | 737 | 0.41 | 0.62 |
| 20408837 | 1 | 25.3 | 1.4 | 37.2 | 200 | 1.38 | 3 | 76.2 | 29 | 737 | 0.51 | 0.77 |
| 20408838 | 1¼ | 32.0 | 1.6 | 42.3 | 200 | 1.38 | 3 | 76.2 | 29 | 737 | 0.55 | 0.82 |
| 20408870 | 1½ | 38.0 | 1.9 | 48.7 | 200 | 1.38 | 4 | 101.6 | 29 | 737 | 0.66 | 0.99 |
| 20408871 | 2 | 51.0 | 2.4 | 61.9 | 200 | 1.38 | 5 | 127.0 | 29 | 737 | 0.89 | 1.33 |
| 20408872 | 2½ | 63.0 | 2.9 | 76.2 | 200 | 1.38 | 6 | 152.4 | 29 | 737 | 1.31 | 1.96 |
| 20408873 | 3 | 76.0 | 3.4 | 89.2 | 200 | 1.38 | 8 | 203.2 | 29 | 737 | 1.59 | 2.37 |
| 20408813 | 4 | 102.0 | 4.5 | 115.0 | 200 | 1.38 | 11 | 279.4 | 29 | 737 | 2.23 | 3.32 |

Hose design ratio (burst pressure) 4:1.



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Viper™



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

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Product Specifications

Application

For the transfer of a variety of industrial chemicals used today. Refer to ContiTech Chemical Resistance Guide for compatibility. For use in pressure, gravity flow and/ or suction service. Hose may be cleaned using open-end steam, up to 50 psi or in a bath containing 10% Sodium Hydroxide (NaOH), up to 212°F (100°C).

Construction

> Tube

Beige Alphasyn® modified cross-linked polyethylene (modified XLPE)

> Cover

Black Omegasyn abrasion-resistant EPDM with white spiral stripe

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 250°F (-40°C to 121°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Viper™ Chemical Transfer Alphasyn® 200 psi WP

Couplings

Fittings should be permanently attached for fluid temperatures above 125°F (52°C) and up to 250°F (121°C). Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Couplings Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications

Order Codes

546-345

Viper™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20106813 | 1 | 25.4 | 1.45 | 36.9 | 200 | 1.38 | 4 | 100 | 29 | 737 | 0.53 | 0.79 |
| 20091802 | 1½ | 38.1 | 1.95 | 49.6 | 200 | 1.38 | 5 | 125 | 29 | 737 | 0.74 | 1.10 |
| 20091803 | 2 | 50.8 | 2.54 | 64.5 | 200 | 1.38 | 7 | 175 | 29 | 737 | 1.16 | 1.73 |
| 20069573 | 2½ | 63.5 | 3.05 | 77.5 | 200 | 1.38 | 8 | 200 | 29 | 737 | 1.41 | 2.10 |
| 20091805 | 3 | 76.2 | 3.59 | 91.2 | 200 | 1.38 | 10 | 250 | 29 | 737 | 1.82 | 2.71 |
| 20123987 | 4 | 101.6 | 4.64 | 117.8 | 200 | 1.38 | 14 | 350 | 29 | 737 | 2.42 | 3.61 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility. Viper™ chemical hose will handle fluid up to 250°F (121°C), however, this rating is contingent on the specific chemical conveyed. Contact customer service at 1-800-235-4632 for any chemical above the temperature stated in the ContiTech Chemical Resistance Guide. Refer to the ContiTech Chemical Resistance Charts for specific chemical and temperature compatibility.

Green XLPE Cross Link Polyethylene



Product Specifications

Application

Handles the majority of today's industrial chemicals in pressure, gravity flow or suction service.

Construction

> Tube

Clear Speciar® synthetic rubber cross-linked polyethylene (XLPE)

> Cover

Green EPDM synthetic rubber with spiral white stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-25°F to 150°F (-32°C to 66°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech XLPE Chemical Transfer 150 psi

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-666 (6")

546-666 (1/2"-4")

Green XLPE

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20018685 | 1/2 | 12.7 | 0.97 | 24.6 | 150 | 1.03 | 6 | 152 | 29 | 737 | 0.31 | 0.46 |
| 20018688 | 3/4 | 19.1 | 1.23 | 31.2 | 150 | 1.03 | 7 | 178 | 29 | 737 | 0.44 | 0.65 |
| 20018690 | 1 | 25.4 | 1.47 | 37.3 | 150 | 1.03 | 8 | 203 | 29 | 737 | 0.54 | 0.80 |
| 20018694 | 1¼ | 31.8 | 1.73 | 43.9 | 150 | 1.03 | 9 | 229 | 29 | 737 | 0.66 | 0.98 |
| 20018697 | 1½ | 38.1 | 2.03 | 51.6 | 150 | 1.03 | 10 | 254 | 29 | 737 | 0.92 | 1.37 |
| 20018700 | 2 | 50.8 | 2.61 | 66.3 | 150 | 1.03 | 12 | 305 | 29 | 737 | 1.32 | 1.96 |
| 20018704 | 2½ | 63.5 | 3.11 | 79.0 | 150 | 1.03 | 15 | 381 | 29 | 737 | 1.65 | 2.46 |
| 20018707 | 3 | 76.2 | 3.61 | 91.7 | 150 | 1.03 | 18 | 457 | 29 | 737 | 2.02 | 3.01 |
| 20018709 | 4 | 101.6 | 4.69 | 119.1 | 150 | 1.03 | 24 | 610 | 29 | 737 | 2.95 | 4.39 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Fabchem® Pliosyn™ (UHMWPE) Tube



Product Specifications

Application

A significant improvement to our chemical hose line, Fabchem® Pliosyn™ handles the majority of common industrial chemicals in pressure, gravity flow and suction service.

Construction

> Tube

Pliosyn™ ultra-high molecular weight polyethylene (UHMWPE)

> Cover

Green EPDM synthetic rubber with bright orange longitudinal stripe, corrugated (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 150°F (-40°C to 66°C)

Packaging

100' exact length, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Fabchem® Chemical Transfer Hose 200 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

- 546-065 (green)
- 546-533 (purple)
- 546-555 (blue)
- 546-716 (ARC)

Fabchem® Pliosyn™ (UHMWPE) Tube

| SAP # | ID | | | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | | |
|----------|----------|----------|----------|-----|---------|-------|---------|-------|-------------|------|-----------|-----|--------|-----|---------|------|
| | Green | Purple | Blue | ARC | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20018477 | | | 20617876 | | 1/2 | 12.7 | 0.95 | 24.1 | 200 | 1.38 | 3 | 76 | 29 | 737 | 0.33 | 0.49 |
| 20018478 | | | 20617877 | | 3/4 | 19.1 | 1.22 | 31.0 | 200 | 1.38 | 4 | 89 | 29 | 737 | 0.46 | 0.68 |
| 20018481 | 20673999 | | 20243623 | | 1 | 25.4 | 1.47 | 37.3 | 200 | 1.38 | 4 | 102 | 29 | 737 | 0.60 | 0.89 |
| 20018485 | | | | | 1¼ | 31.8 | 1.73 | 43.9 | 200 | 1.38 | 4 | 102 | 29 | 737 | 0.73 | 1.09 |
| 20018488 | 20674040 | | 20385256 | | 1½ | 38.1 | 1.97 | 50.0 | 200 | 1.38 | 5 | 127 | 29 | 737 | 0.84 | 1.25 |
| 20018493 | 20674041 | 20598926 | 20018718 | | 2 | 50.8 | 2.55 | 64.8 | 200 | 1.38 | 6 | 152 | 29 | 737 | 1.22 | 1.82 |
| 20018496 | | | | | 2½ | 63.5 | 3.14 | 79.8 | 200 | 1.38 | 8 | 203 | 29 | 737 | 1.78 | 2.65 |
| 20018498 | | | 20018720 | | 3 | 76.2 | 3.63 | 92.2 | 200 | 1.38 | 9 | 229 | 29 | 737 | 2.11 | 3.14 |
| 20018502 | | | 20018722 | | 4 | 101.6 | 4.67 | 118.6 | 200 | 1.38 | 10 | 254 | 29 | 737 | 2.81 | 4.18 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Fabchem®-C

NEW



Product Specifications

Application

Fabchem®-C is designed for handling the majority of common industrial chemicals under pressure, gravity flow and full suction service. It is ideal to convey chemicals in an explosive atmosphere where static dissipation is a requirement.

Construction

> Tube

Black conductive Pliosyn™ (UHMWPE)

> Cover

Corrugated black conductive EPDM

> Reinforcement

Spiral-plied synthetic fabric with double steel wire helix

Temperature Range

-40°F to 212°F (-40°C to 100°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Continental ContiTech FABCHEM®-C Chemical Transfer Hose 200 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog.

Order Codes

546-498

Fabchem®-C

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|------|---------|------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20936107 | 1 | 25.4 | 1.48 | 37.7 | 200 | 1.38 | 4 | 102 | 29 | 737 | 0.60 | 0.89 |
| 20936140 | 1½ | 38.1 | 1.98 | 50.4 | 200 | 1.38 | 5 | 127 | 29 | 737 | 0.84 | 1.28 |
| 20936141 | 2 | 50.8 | 2.55 | 64.7 | 200 | 1.38 | 6 | 152 | 29 | 737 | 1.20 | 1.85 |
| 20936142 | 3 | 76.2 | 3.64 | 92.5 | 200 | 1.38 | 9 | 229 | 29 | 737 | 2.14 | 3.02 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Infinity™ Chemical

NEW



Product Specifications

Application

Constructed with the exclusive PVC double helix for superior flexibility, abrasion resistance and low coefficient of friction. Lightweight in construction, it is designed for handling the majority of common industrial chemicals under pressure, gravity flow or medium suction service.

Construction

> Tube

Black conductive Pliosyn® (UHMWPE)

> Cover

Yellow Chemivic with double orange Pliovic® outer helix (antistatic wires are inside the Pliovic® helix)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-40°F to 160°F (-40°C to 71°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Continental ContiTech Infinity Chemical Hose 150 psi
Made in Canada

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog.

Order Codes

546-171

Infinity™ Chemical

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20916950 | 2 | 50.8 | 2.79 | 70.9 | 150 | 1.03 | 12 | 305 | 23 | 584 | 1.22 | 1.81 |
| 20916951 | 3 | 76.2 | 3.81 | 96.7 | 150 | 1.03 | 18 | 457 | 23 | 584 | 1.73 | 2.56 |
| 20916952 | 4 | 101.6 | 4.83 | 122.7 | 150 | 1.03 | 24 | 610 | 23 | 584 | 2.32 | 3.44 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® ExtremeFlex™ Brown



Product Specifications

Application

A high-tech, flexible and versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions and petroleum-based products.

Construction

> Tube

Black Chemrin® (CPE) synthetic rubber

> Cover

Corrugated Brown EPDM synthetic rubber with white spiral stripe

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-30°F to 275°F (-34°C to 135°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® ExtremeFlex™ Brown with Chemrin® 150 psi Made in Canada

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with the product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum if not stocked.

Order Codes

546-723

Plicord® ExtremeFlex™ Brown

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|------|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20524365 | 1 | 25.30 | 1.42 | 36.00 | 150 | 1.03 | 1.50 | 38.10 | 29 | 737 | 0.50 | 0.75 |
| 20524366 | 1¼ | 32.00 | 1.63 | 41.50 | 150 | 1.03 | 2.00 | 50.80 | 29 | 737 | 0.57 | 0.85 |
| 20668438 | 1½ | 38.00 | 1.92 | 48.70 | 150 | 1.03 | 2.25 | 57.20 | 29 | 737 | 0.74 | 1.10 |
| 20524368 | 2 | 51.20 | 2.44 | 61.90 | 150 | 1.03 | 3.00 | 76.0 | 29 | 737 | 0.97 | 1.45 |
| 20524369 | 3 | 76.20 | 3.54 | 89.80 | 150 | 1.03 | 4.50 | 114.0 | 29 | 737 | 1.80 | 2.68 |
| 20524381 | 4 | 102.10 | 4.57 | 116.10 | 150 | 1.03 | 6.00 | 152.0 | 29 | 737 | 2.47 | 3.68 |

Hose design ratio (burst pressure) 4:1.



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® ExtremeFlex™ Purple



Product Specifications

Application

A high-tech, flexible and versatile chemical hose capable of handling a wide range of chemicals, acids and alcohols in both suction and discharge service.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Corrugated purple EPDM synthetic rubber with yellow spiral stripe

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 221°F (-40°C to 104°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® ExtremeFlex™ Purple 150 psi Made In Canada

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with the product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum if not stocked.

Order Codes

546-721

Plicord® ExtremeFlex™ Purple

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|------|-----------|-----|--------|---------|------|
| Purple | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20524360 | 1½ | 38.00 | 1.92 | 48.70 | 150 | 1.03 | 2.25 | 57.20 | 29 | 737 | 0.73 | 1.09 |
| 20524361 | 2 | 51.20 | 2.44 | 61.90 | 150 | 1.03 | 3.00 | 76.00 | 29 | 737 | 0.95 | 1.42 |
| 20524362 | 3 | 76.10 | 3.54 | 89.80 | 150 | 1.03 | 4.50 | 114.0 | 29 | 737 | 1.76 | 2.62 |
| 20524363 | 4 | 102.1 | 4.57 | 116.1 | 150 | 1.03 | 6.00 | 152.0 | 29 | 737 | 2.41 | 3.59 |

Hose design ratio (burst pressure) 4:1.



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Brown Flexwing® Chemrin® (CPE) Tube



Product Specifications

Application

A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions and petroleum-based products.

Construction

> Tube

Black Chemrin® synthetic rubber

> Cover

Brown EPDM synthetic rubber with white spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Brown Flexwing® with Chemrin® 150 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Temperature Range

-30°F to 275°F (-34°C to 135°C)

Order Codes

546-069

541-069 (custom lengths with fittings)

Brown Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20198532 | 1/2 | 12.7 | 0.94 | 23.8 | 150 | 1.03 | 2 | 51 | 29 | 737 | 0.32 | 0.48 |
| 20018560 | 3/4 | 19.1 | 1.19 | 30.1 | 150 | 1.03 | 3 | 76 | 29 | 737 | 0.43 | 0.64 |
| 20018561 | 1 | 25.4 | 1.44 | 36.5 | 150 | 1.03 | 3.5 | 89 | 29 | 737 | 0.54 | 0.81 |
| 20018567 | 1¼ | 31.8 | 1.69 | 42.8 | 150 | 1.03 | 4.5 | 114 | 29 | 737 | 0.65 | 0.97 |
| 20018569 | 1½ | 38.1 | 1.99 | 50.6 | 150 | 1.03 | 5 | 127 | 29 | 737 | 0.91 | 1.36 |
| 20018571 | 2 | 50.8 | 2.51 | 63.7 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.21 | 1.80 |
| 20263622 | 2½ | 63.5 | 3.06 | 77.6 | 150 | 1.03 | 7.5 | 191 | 29 | 737 | 1.66 | 2.47 |
| 20018573 | 3 | 76.2 | 3.58 | 91.0 | 150 | 1.03 | 9 | 229 | 29 | 737 | 2.08 | 3.10 |
| 20018574 | 4 | 101.6 | 4.63 | 117.7 | 150 | 1.03 | 12 | 305 | 29 | 737 | 2.98 | 4.44 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Purple Flexwing®



Product Specifications

Application

A versatile hose developed to handle a wide range of chemicals, acids and alcohols in both suction and discharge service.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Purple EPDM with yellow spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 221°F (-40°C to 104°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Purple Flexwing® with EPDM 150 psi Max WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

546-805

Purple Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20018743 | 1½ | 38.1 | 2.02 | 51.3 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.95 | 1.41 |
| 20018749 | 2 | 50.8 | 2.53 | 64.3 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.16 | 1.73 |
| 20018750 | 3 | 76.2 | 3.58 | 90.9 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.00 | 2.98 |
| 20018751 | 4 | 101.6 | 4.69 | 119.1 | 150 | 1.03 | 10 | 254 | 29 | 737 | 3.03 | 4.51 |

Hose design ratio (burst pressure) 4:1.

Note: Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Orange Flexwing® Flosyn® Tube



Product Specifications

Application

A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions and petroleum-based products.

Construction

> Tube

Black Flosyn® synthetic rubber

> Cover

Orange Chemivic synthetic rubber with white spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-25°F to 250°F (-32°C to 121°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Orange Flexwing® with Flosyn® 150 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of the catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

Order in increments of 100'

Order Codes

541-063

Orange Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20014912 | 1 | 25.4 | 1.44 | 36.6 | 150 | 1.03 | 4 | 89 | 29 | 737 | 0.61 | 0.91 |
| 20014913 | 1¼ | 31.8 | 1.73 | 43.9 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.79 | 1.18 |
| 20014915 | 1½ | 38.1 | 1.97 | 50.0 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.95 | 1.41 |
| 20014917 | 2 | 50.8 | 2.58 | 65.5 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.45 | 2.16 |
| 20014918 | 2½ | 63.5 | 3.08 | 78.2 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.77 | 2.63 |
| 20014919 | 3 | 76.2 | 3.59 | 91.2 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.26 | 3.36 |
| 20014921 | 4 | 101.6 | 4.69 | 119.1 | 150 | 1.03 | 10 | 254 | 29 | 737 | 3.31 | 4.93 |

Hose design ratio (burst pressure) 4:1.

Refer to the ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Blue Flexwing®



Product Specifications

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Application

Handles the majority of today's industrial chemicals in pressure, gravity flow or suction service.

Construction

> Tube

Clear Speclar® synthetic rubber cross-linked polyethylene (XLPE)

> Cover

Blue EPDM sythetic rubber with spiral white stripe (wrapped impression)

> Reinforcement

Spiral-plied sythetic fabric with double wire helix

Temperature Range

-25°F to 150°F (-32°C to 66°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech Blue Flexwing® Chemical Transfer with Speclar® 200 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with the product. For available Insta-Lock™ products, contact customer service. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum if not stocked.

Order Codes

- 546-066 (1/2"-4")
- 541-066 (6")

Blue Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|-------------------------------------|-------|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| Blue | 1/2 | 12.7 | 0.96 | 24.4 | 200 | 1.38 | 6 | 152 | 29 | 737 | 0.3 | 0.45 |
| | 3/4 | 19.1 | 1.22 | 31 | 200 | 1.38 | 7 | 178 | 29 | 737 | 0.45 | 0.67 |
| Water Discharge | 1 | 25.4 | 1.47 | 37.3 | 200 | 1.38 | 8 | 203 | 29 | 737 | 0.55 | 0.82 |
| | 1 1/4 | 31.8 | 1.75 | 44.5 | 200 | 1.38 | 9 | 229 | 29 | 737 | 0.7 | 1.04 |
| Suction & Discharge Washdown Garden | 1 1/2 | 38.1 | 2.04 | 51.8 | 200 | 1.38 | 10 | 254 | 29 | 737 | 0.95 | 1.41 |
| | 2 | 50.8 | 2.58 | 65.5 | 200 | 1.38 | 12 | 305 | 29 | 737 | 1.22 | 1.82 |
| Welding | 2 1/2 | 63.5 | 3.13 | 79.5 | 200 | 1.38 | 15 | 381 | 29 | 737 | 1.65 | 2.46 |
| | 3 | 76.2 | 3.7 | 94 | 200 | 1.38 | 18 | 457 | 29 | 737 | 2.24 | 3.33 |
| Coupling Systems | 4 | 101.6 | 4.73 | 120.1 | 200 | 1.38 | 24 | 610 | 29 | 737 | 3.01 | 4.48 |

Hose design ratio (burst pressure) 4:1.

DEF Transfer Hose - Hand Built



Product Specifications

Application

DEF Transfer Hose Hand Built is specifically designed to convey the high-purity, aqueous urea solution DEF.

Construction

> Tube

Pliosyn™ ultra-high molecular weight polyethylene (UHMWPE) with proprietary backing. Tube tested per ISO 22241-2 immersion test at independent lab to confirm compatibility with DEF aqueous solution

> Cover

Black corrugated EPDM

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

100' lengths

Branding

Example: Continental ContiTech DEF Transfer Hose 3/4" (19.1 mm) Continental ContiTech DEF Transfer Hose (Date Code) Made in Canada

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

546-552

DEF Transfer Hose - Hand Built

| SAP # | ID | Nom. OD | | Max. WP | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20741106 | 1 | 25.4 | 1.45 | 37.3 | 250 | 4 | 102 | 29 | 737 | 0.42 | 0.89 |
| 20738416 | 1½ | 38.1 | 1.97 | 50 | 250 | 5 | 127 | 29 | 737 | 0.84 | 1.25 |
| 20738464 | 2 | 50.8 | 2.55 | 64.8 | 250 | 6 | 152 | 29 | 737 | 1.22 | 1.82 |
| 20738465 | 3 | 76.2 | 3.63 | 92.2 | 250 | 9 | 229 | 29 | 737 | 2.11 | 3.14 |

Hose design ratio (burst pressure) 4:1. *Alternate packaging specs available upon request.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food
 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

DEF Transfer Hose - Braided



Product Specifications

Application

DEF Transfer Hose - Braided has superior compounding which is specifically designed to convey Diesel Exhaust Fluid, a high-purity, aqueous urea solution. The braided construction is engineered to reduce kinking and twisting in reeling applications.

Construction

> Tube

Specially formulated low-extraction EPDM, peroxide cured

> Cover

Black specially formulated EPDM

> Reinforcement

Two-braid textile

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

100' lengths

Branding

Continental ContiTech DEF Transfer Hose 1½" (38.1 mm) Made in USA

Order Codes

532-019

DEF Transfer Hose - Braided

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20531743 | 1½ | 38.1 | 2.10 | 53.2 | 250 | 1.72 | 0.81 | 1.21 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

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Appendix

Conti® Chem Superior FEP

NEW



Product Specifications

Application

Conti® Chem Superior FEP is a universal hose with seamless, transparent FEP lining of Teflon® resistant to all commonly used chemicals. Suitable for both suction and delivery. Meets EN 12115:2011. Conti® Chem Superior FEP is manufactured to European standards.

Construction

> Tube

FEP, seamless, transparent, smooth bore, electrically non-conductive, conforming to FDA and USP Class V

> Cover

Black, EPDM, abrasion- and flame-resistant fabric impression

> Reinforcement

Brands are synthetic fibers with single galvanized helix for all sizes except 1/2" which does not have a helix

Temperature Range

-22°F to 212°F (-30°C to 100°C); Steam-cleaned for 30 minutes up to 302°F (150°C)

Branding (Spiral)

Continuous blue-, white- or green-colored spiral.
"Continental ContiTech Conti®Chem Superior EN 12115 FEP Made in Germany"

Conti® Chem Superior FEP

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-------|------|---------|-----|---------|-----|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20836398 | 1/2 | 12.7 | 0.94 | 23 | 232 | 1.6 | 2 3/4 | 70 | 29 | 737 | 0.27 | 0.40 |
| 20836399 | 3/4 | 19.1 | 1.25 | 31 | 232 | 1.6 | 3 1/8 | 80 | 29 | 737 | | |
| 20836400 | 1 | 25.4 | 1.44 | 37 | 232 | 1.6 | 4 | 100 | 29 | 737 | 0.67 | 1.00 |
| 20836401 | 1 1/4 | 31.8 | 1.75 | 44 | 232 | 1.6 | 5 | 125 | 29 | 737 | 0.74 | 1.10 |
| 20836402 | 1 1/2 | 38 | 2.00 | 51 | 232 | 1.6 | 6 | 150 | 29 | 737 | 1.01 | 1.50 |
| 20836403 | 2 | 50.8 | 2.63 | 66 | 232 | 1.6 | 8 | 200 | 29 | 737 | 1.55 | 2.30 |
| 20836405 | 3 | 75 | 3.56 | 91 | 232 | 1.6 | 12 | 300 | 29 | 737 | 2.08 | 3.10 |
| 20836406 | 4 | 100 | 4.56 | 116 | 232 | 1.6 | 16 | 400 | 29 | 737 | 3.09 | 4.60 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Cleaning Equipment



| | Page | Superior Abrasion Cover | Oil Resistance Cover | Microban Cover | Temp. Range | Non-Marking* | Wire | Textile | Coupled Assemblies |
|-----------------|------|-------------------------|----------------------|----------------|-----------------------------------|--------------|------|---------|--------------------|
| Galvanator 3000 | 65 | Yes | Yes | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Gauntlet 1500 | 68 | Yes | Yes | | -20°F to 210°F (-29°C to 99°C) | Yes | | Yes | Yes |
| Gauntlet 3000 | 67 | Yes | Yes | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Gauntlet 4500 | 66 | Yes | Yes | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Neptune 1500 | 73 | | | | -20°F to 210°F (-29°C to 99°C) | Yes | | Yes | Yes |
| Neptune 3000 | 72 | | | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Neptune 4001-R | 71 | | | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Neptune 4500 | 70 | | | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Neptune 6000 | 69 | | | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| SpiraFlow | 74 | | | | -20°F to 250°F (-29°C to 121°C) | Yes | Yes | | Yes |
| Whitewater | 75 | | | | -20°F to 250°F** (-29°C to 121°C) | Yes | Yes | | Yes |

*Non-black colors

**Hot water for Steam Cleaner Service at 325°F (163°C) and 350 psi

- Air & Multipurpose**
- General Purpose
- Heavy Duty
- Push-on
- Chemical Transfer
- Cleaning Equipment**
- Food**
- Dry Transfer
- Liquid Transfer
- Washdown
- Marine
- Material Handling**
- Abrasives
- Bulk Transfer
- Cement & Concrete
- Mining
- Petroleum**
- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D
- Specialty
- Steam
- Vacuum
- Water**
- Discharge
- Suction & Discharge
- Washdown
- Garden
- Welding
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Galvanator® 3000



Product Specifications

Application

Galvanator® 3000 is for pressure washer equipment. Its rust-resistant reinforcement and superior abrasion-resistant cover provide maximum protection against the adverse effects of water, oil and animal fats.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Wrapped finish Yellow or Black Carbryn™ synthetic rubber, ORS, ARPM Class A (High Oil Resistance)

> Reinforcement

Two braided steel wires

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Galvanator® 3000 3/8" (9.5 mm) 3000 psi (20.7 MPa) Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Coupled lengths with MxMS fittings and kink guards available.



Coupled assemblies available.

Order Codes

539-200 (yellow)

539-201 (black)

Galvanator® 3000

| SAP # | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|----------|-----|------|---------|------|---------|-------|-------------|-----|---------|------|
| Yellow | Black | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20024095 | 20024109 | 3/8 | 9.5 | 6.9 | 17.5 | 3000 | 20.69 | 5.0 | 127 | 0.26 | 0.39 |
| 20024100 | 20024110 | 1/2 | 12.7 | 0.82 | 20.8 | 3000 | 20.69 | 7.0 | 178 | 0.31 | 0.49 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Gauntlet® 4500



Product Specifications

Application

Gauntlet® 4500 is for use on pressure washer machines with working pressures up to 4500 psi. Its super abrasion-resistant cover provides maximum protection against the adverse effects of oil and animal fats.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish black or yellow oil-resistant Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Two braided steel wires

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

1/4"-3/8" - 500' reels, maximum 3 pieces, minimum of 50' lengths, coupled lengths available

1/2" - 500' reels, maximum 3 pieces, minimum of 50' lengths, coupled lengths available

Branding

Example: Continental ContiTech Gauntlet® 4500 3/8" 4500 psi Made in USA

Couplings

Use ContiTech pressure washing fittings with this product. See the Coupling Systems information pages at the back of this catalog for available sizes. Refer to ContiTech Industrial Hose Assembly Manual for crimp procedures.



Coupled assemblies available.

Order Codes

539-122 (black)

539-120 (yellow)

Gauntlet® 4500

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | | |
|----------|----------|--------|---------|------|---------|------|--------|-------|---------|------|
| | Black | Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20331250 | | | 1/4 | 6.4 | 0.54 | 13.7 | 4500 | 31.03 | 0.20 | 0.30 |
| 20220625 | 20024000 | | 3/8 | 9.5 | 0.69 | 17.5 | 4500 | 31.03 | 0.27 | 0.40 |
| 20048788 | 20325124 | | 1/2 | 12.7 | 0.82 | 20.8 | 4500 | 31.03 | 0.34 | 0.51 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Gauntlet® 3000



Product Specifications

Application

Gauntlet® 3000 is for use on pressure washer machines with working pressures up to 3000 psi. Its super abrasion-resistant cover provides maximum protection against the adverse effects of oil and animal fats.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish black or yellow oil-resistant Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Continental ContiTech Gauntlet® 3000 3/8" 3000 psi Made in USA

Couplings

Use ContiTech pressure washing fittings with this product. See the Coupling Systems information pages at the back of the catalog for available sizes. Refer to ContiTech Industrial Hose Assembly Manual for crimp procedures.



Coupled assemblies available.

Order Codes

539-099 (black)

539-100 (yellow)

Gauntlet® 3000

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|-----|------|---------|------|---------|-------|---------|------|
| Black | Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023887 | 20023890 | 3/8 | 9.5 | 0.69 | 17.5 | 3000 | 20.69 | 0.24 | 0.36 |
| 20023889 | 20023894 | 1/2 | 12.7 | 0.82 | 20.8 | 3000 | 20.69 | 0.32 | 0.48 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Gauntlet® 1500



Product Specifications

Application

Gauntlet® 1500 is for pressure washer equipment with working pressures up to 1500 psi. Its super abrasion-resistant cover provides maximum protection against the adverse effects of oil and animal fats.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish Black or Yellow oil-resistant Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

One braided synthetic yarn up through 1/2"
Two braided synthetic yarn for 3/4"

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Continental ContiTech Gauntlet® 1500 3/8"
1500 psi Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.



Coupled assemblies available.

Order Codes

536-474 (yellow)
536-480 (black)
536-574 (red)

Gauntlet® 1500

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|----------|-----|---------|------|---------|------|--------|---------|------|
| Black | Yellow | Red | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023338 | 20045137 | | 1/4 | 6.4 | 0.59 | 15.0 | 1500 | 10.34 | 0.11 | 0.16 |
| 20023339 | 20023331 | | 3/8 | 9.5 | 0.75 | 19.1 | 1500 | 10.34 | 0.18 | 0.27 |
| 20023341 | 20023333 | 20115073 | 1/2 | 12.7 | 0.84 | 21.3 | 1200 | 8.27 | 0.18 | 0.27 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Gauntlet® 1500 in the 1/2" ID is rated at a working pressure of 1200 psi. All other sizes listed above are rated at a working pressure of 1500 psi.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Neptune™ 6000



Product Specifications

Application

For use on pressure washer machines with working pressures up to 6000 psi.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Wrapped finish black oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Two braided steel wires

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments, coupled lengths available

Branding

Example: Continental ContiTech Neptune™ 6000 3/8" 6000 psi WP Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-148 (gray)
539-149 (black)

Neptune™ 6000

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|-----|-----|---------|------|---------|-------|---------|------|
| Black | Gray | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20046112 | 20551519 | 3/8 | 9.5 | 0.69 | 17.5 | 6000 | 41.37 | 0.30 | 0.45 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Neptune™ 4500



Product Specifications

Application

For use on pressure washer machines with working pressures up to 4500 psi.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish black or blue oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Two braided steel wires

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

1/4"-3/8" - 500' reels, maximum 3 pieces, minimum of 50' lengths

1/2" - 500' reels, maximum 3 pieces, minimum of 50' lengths

Branding

Example: Continental ContiTech Neptune™ 4500 3/8" 4500 psi WP Made in USA

Couplings

Use ContiTech pressure washer fittings with this product. See the Coupling Systems information pages at the back of the catalog for available sizes. Refer to ContiTech Industrial Hose Assembly Manual for crimp procedures.



Coupled assemblies available.

Order Codes

539-091 (black)

539-124 (blue)

Neptune™ 4500

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|-----|------|---------|------|---------|-------|---------|------|
| Black | Blue | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| | 20069357 | 1/4 | 6.4 | 0.54 | 13.7 | 4500 | 31.03 | 0.20 | 0.30 |
| 20023741 | 20024005 | 3/8 | 9.5 | 0.69 | 17.5 | 4500 | 31.03 | 0.28 | 0.42 |
| 20023757 | | 1/2 | 12.7 | 0.82 | 20.8 | 4500 | 31.03 | 0.35 | 0.52 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Neptune™ 4001-R



Product Specifications

Application

Neptune™ 4001-R is for high-pressure washer equipment with working pressures up to 4000 psi.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish black, yellow, blue or gray oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Continental ContiTech Neptune™ 4001-R 3/8" 4000 psi WP Made in USA

Couplings

Use ContiTech pressure washing fittings with this product. See the Coupling Systems information pages at the back of the catalog for available sizes. Refer to ContiTech Industrial Hose Assembly Manual for crimp procedures.



Coupled assemblies available.

Order Codes

- 539-261 (black)
- 539-262 (gray)
- 539-265 (blue)
- 539-266 (yellow)

Neptune™ 4001-R

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|-----|-----|---------|------|---------|-------|---------|------|
| Black | Yellow | Blue | Gray | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20129270 | 20135601 | 20119564 | 20527217 | 3/8 | 9.5 | 0.69 | 17.5 | 4000 | 27.58 | 0.25 | 0.37 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food
 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Neptune™ 3000



Product Specifications

Application

Neptune™ 3000 is for use on pressure washer machines with working pressures up to 3000 psi.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish black, blue, yellow or gray oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: Continental ContiTech Neptune™ 3000 3/8" 3000 psi WP Made in USA

Couplings

Use ContiTech pressure washer fittings with this product. See the Coupling Systems information pages at the back of the catalog for available sizes. Refer to ContiTech Industrial Hose Assembly Manual for crimp procedures.



Coupled assemblies available.

Order Codes

- 539-085 (black)
- 539-089 (blue)
- 539-090 (gray)
- 539-104 (yellow)

Neptune™ 3000

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|-----|------|---------|------|---------|-------|---------|------|
| Black | Blue | Yellow | Gray | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023506 | 20023623 | 20155405 | 20023720 | 1/4 | 6.4 | 0.53 | 13.5 | 3000 | 20.69 | 0.15 | 0.22 |
| 20023518 | 20023638 | 20023949 | 20023726 | 3/8 | 9.5 | 0.69 | 17.5 | 3000 | 20.69 | 0.24 | 0.36 |
| 20023613 | 20023670 | 20023959 | 20216243 | 1/2 | 12.7 | 0.82 | 20.8 | 3000 | 20.69 | 0.32 | 0.48 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

- Air & Multipurpose**
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment**
- Food**
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum**
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
 - Steam
 - Vacuum
 - Water**
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
 - Welding
- Coupling Systems
- Equipment
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Neptune™ 1500



Product Specifications

Application

Neptune™ 1500 is for pressure washer equipment, agricultural sprayers and high-pressure air lines.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Smooth finish blue, gray, red, yellow or black oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One braided synthetic yarn up through 1/2"
Two braided synthetic yarn for 3/4"

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

1/4"-5/16" - 550' to 750' reels, max 8 pieces, 25' minimum
3/8"-500' reels, max 3 pieces, 50' increments
1/2"-3/4" - 450' to 550' reels, max 5 pieces, 10' minimum

Branding

Example: Continental ContiTech Neptune™ 1500 3/8" 1500 psi WP Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.



Coupled assemblies available.

Order Codes

536-374 (blue)
536-387 (gray)
536-388 (black)
536-490 (yellow)

Neptune™ 1500

| SAP # | | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|----------|------|------|---------|------|---------|-------|---------|------|
| Blue | Gray | Black | Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20449806 | 20023093 | 20023102 | | 1/4 | 6.4 | 0.59 | 15.0 | 1500 | 10.34 | 0.11 | 0.16 |
| | | 20023106 | | 5/16 | 7.9 | 0.69 | 17.5 | 1500 | 10.34 | 0.15 | 0.22 |
| 20142362 | 20023096 | 20023109 | 20029580 | 3/8 | 9.5 | 0.75 | 19.1 | 1500 | 10.34 | 0.18 | 0.27 |
| 20590578 | 20023099 | 20023116 | | 1/2 | 12.7 | 0.84 | 21.3 | 1200 | 8.27 | 0.19 | 0.28 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Neptune™ 1500 in 1/2" ID size is rated at a working pressure rating of 1200 psi. All other sizes listed above are rated at a working pressure of 1500 psi.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

SpiraFlow®



Product Specifications

Application

SpiraFlow® is designed specifically for the pressure washer industry. A pressure washer hose that reduces the damming that can cause clean spots. Ideal for surface cleaning applications such as parking decks and lots; beef, dairy and poultry operations; gas stations; garages; and auto mechanic shops.

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Grooved black, blue or gray oil-resistant synthetic rubber, ARPM Class B (Medium/High Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reels, maximum 3 pieces, 50' increments, coupled lengths available.

Branding

Not branded

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-185 (black)

539-186 (blue)

539-187 (gray)

SpiraFlow®

| SAP # | | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|----------|-----|------|---------|-------|---------|-------|---------|------|
| Black | Blue | Gray | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20342127 | 20342128 | 20342221 | 3/8 | 9.53 | 0.78 | 19.69 | 4000 | 27.58 | 0.30 | 0.44 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Whitewater®



Product Specifications

Application

Whitewater® is for use on either steam cleaner machines or combination steam cleaner/pressure washer machines.

Construction

> Tube

Pyrosyn® synthetic rubber

> Cover

Smooth finish black and red Chlorosulfonated Polyethylene synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

One braided steel wire

Temperature Range

Handles hot water at 325°F (163°C) and 350 psi for steam cleaning service. Handles hot water at 250°F (121°C) and 3000 psi (2500 psi on 1/2") for pressure washer service.

Packaging

500' reels, maximum 3 pieces, 50' increments coupled lengths available

Branding

Example: Continental ContiTech Whitewater® Pressure Washer 3000 psi at 250°F (121°C) Steam Cleaner 350 psi at 325°F (163°C) Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-095 (black)

539-110 (red)

Whitewater® - Steam Cleaner Service - up to 325°F (163°C)

| SAP # | | Nom. ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|---------|-------|---------|-------|---------|------|---------|------|
| Black | Red | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023806 | 20023984 | 3/8 | 9.50 | 0.69 | 17.50 | 350 | 2.40 | 0.23 | 0.34 |
| 20023820 | 20023987 | 1/2 | 12.70 | 0.83 | 21.20 | 350 | 2.40 | 0.31 | 0.46 |

Hose design ratio (burst pressure) 10:1.

Whitewater® - Pressure Washer Service - up to 250°F (121°C)

| SAP # | | Nom. ID | | Nom. OD | | Max. WP | | Weight | |
|----------|----------|---------|-------|---------|-------|---------|------|---------|------|
| Black | Red | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023806 | 20023984 | 3/8 | 9.50 | 0.69 | 17.50 | 3000 | 20.6 | 0.23 | 0.34 |
| 20023820 | 20023987 | 1/2 | 12.70 | 0.83 | 21.20 | 2500 | 16.9 | 0.31 | 0.46 |

Hose design ratio (burst pressure) 4:1. Not recommended for steam service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Food - Dry Transfer



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

| | Page | Dry or Liquid | Temp. Range | Beer/Wine | Dairy | Clear | Thermo-plastic | Rubber | 3-A, FDA, USDA | NSF 61 | Static Wire | Helical Wire |
|--------------------------------|------|---------------|------------------------------------|-----------|-------|-------|----------------|--------|----------------|--------|-------------|--------------|
| Exstatic | 86 | Dry | -25°F to 180°F (-32°C to 82°C) | Yes | Yes | | | Yes | Yes | | | Yes |
| Gray Flextra LT | 79 | Both | -25°F to 212°F (-32°C to 100°C) | Yes | Yes | | | Yes | Yes | | | Yes |
| Harvest | 87 | Dry | -25°F to 180°F (-32°C to 82°C) | | | | | Yes | Yes | | | Yes |
| Nutriflex S&D | 82 | Both | -15°F to 158°F (-26°C to 70°C) | Yes | Yes | Yes | Yes | | Yes | Yes | | |
| Nutriflex Static Wire | 81 | Both | -15°F to 158°F (-26°C to 70°C) | | Yes | Yes | Yes | | Yes | Yes | Yes | |
| Nutriflo S&D | 83 | Both | -15°F to 158°F (-26°C to 70°C) | Yes | Yes | Yes | Yes | | Yes | Yes | | |
| Plicord Blue Flour | 88 | Dry | -40°F to 180°F (-40°C to 82°C) | | | | | Yes | FDA | | Yes | |
| Plicord ExtremeFlex Food Grade | 77 | Both | -25°F to 212°F (-32°C to 100°C) | | Yes | | | Yes | Yes | | | Yes |
| Plicord Gray Food | 80 | Both | -25°F to 230°F (-32°C to 110°C) | | Yes | | | Yes | Yes | | | Yes |
| Spirathane PT | 149 | Dry | 0°F to 158°F (-18°C to 70°C) | | | Yes | Yes | | FDA | | Yes | |
| Tan Flextra | 84 | Dry | -40°F to 180°F (-40°C to 82°C) | | | | | | | | | Yes |
| Tan Softwall | 85 | Dry | -40°F to 180°F (-40°C to 82°C) | | | | | Yes | FDA | | Yes | |
| White Flexwing | 78 | Both | -25°F to 230°F (-32°C to 110°C) | | Yes | | | Yes | Yes | | | Yes |

Plicord® ExtremeFlex™ Food Grade



Product Specifications

Application

Plicord® ExtremeFlex™ Food Grade is for both dry food transfer and liquid transfer. It is a high-tech, flexible corrugated hose with pretzel-like agility and proven performance. Best of all, it is available at a non-corrugated price, making it a great value. With ExtremeFlex™, there's even more to appreciate:

- > **Flexible Handling:** Easier to move in and out of tight spaces and around sharp corners.
- > **Lightweight:** Easier to lift and carry, so there are fewer workplace injuries.
- > **Lower Force to Bend:** Easier to connect and disconnect, keeping productivity high.

Construction

> Tube

White Chemivac synthetic rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

White or gray Chemivac corrugated synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with galvanized wire helix

Temperature Range

-25°F to 212°F (- 32°C to 100°C)

Packaging

Coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech Plicord® ExtremeFlex™ Food Grade 150 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum order

Order Codes

549-164 (gray)

549-462 (white)

Plicord® ExtremeFlex™ Food Grade

| SAP # | | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----------|-------|---------|------|---------|-----|-------------|------|-----------|-----|--------|---------|------|
| White | Gray | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20607375 | | 1 | 25.4 | 1.45 | 36.9 | 150 | 1.03 | 1 | 25 | 29 | 737 | 0.61 | 0.91 |
| 20607376 | | 1 1/4 | 31.8 | 1.65 | 42.0 | 150 | 1.03 | 1.25 | 32 | 29 | 737 | 0.64 | 0.95 |
| 20656565 | 20524205 | 1 1/2 | 38.1 | 1.94 | 49.3 | 150 | 1.03 | 1.5 | 38 | 29 | 737 | 0.81 | 1.21 |
| 20478040 | 20483718 | 2 | 51.2 | 2.44 | 62.0 | 150 | 1.03 | 2 | 51 | 29 | 737 | 1.05 | 1.56 |
| 20478043 | 20483781 | 3 | 76.1 | 3.56 | 90.5 | 150 | 1.03 | 3 | 76 | 29 | 737 | 2.07 | 3.08 |
| 20478044 | 20483782 | 4 | 102.1 | 4.59 | 116.6 | 150 | 1.03 | 4 | 102 | 29 | 737 | 2.92 | 4.35 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

White Flexwing®



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Product Specifications

Application

White Flexwing® is for both dry food transfer and liquid transfer. It is a highly flexible hose for gravity flow, pressure or suction service transferring oily and non-oily edibles from tank truck and in-plant service.

Construction

> Tube

White Chemivic synthetic rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

White Chemivic synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with galvanized wire helix

Temperature Range

-25°F to 230°F (-32°C to 110°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech White Flexwing® 150 psi WP FDA 3-A USDA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-151

White Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| | White | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20019284 | 3/4 | | 19.1 | 1.20 | 30.5 | 150 | 1.03 | 2 | 51 | 29 | 737 | 0.47 | 0.70 |
| 20019286 | 1 | | 25.4 | 1.44 | 36.6 | 150 | 1.03 | 3 | 76 | 29 | 737 | 0.57 | 0.85 |
| 20019287 | 1¼ | | 31.8 | 1.70 | 43.2 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.69 | 1.03 |
| 20019289 | 1½ | | 38.1 | 1.97 | 50.0 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.86 | 1.28 |
| 20019292 | 2 | | 50.8 | 2.53 | 64.3 | 150 | 1.03 | 5 | 114 | 29 | 737 | 1.23 | 1.83 |
| 20019296 | 2½ | | 63.5 | 3.10 | 78.7 | 150 | 1.03 | 6 | 146 | 29 | 737 | 1.81 | 2.69 |
| 20019297 | 3 | | 76.2 | 3.60 | 91.4 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.16 | 3.21 |
| 20019301 | 4 | | 101.6 | 4.64 | 117.9 | 150 | 1.03 | 10 | 254 | 29 | 737 | 3.05 | 4.54 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Gray Flextra® LT



Product Specifications

Application

Gray Flextra® LT is for both dry food transfer and liquid transfer. It is a lightweight, highly flexible hose used for transferring edibles in gravity flow, pressure or suction service. Larger ID sizes (5" and 6") applicable as "must" hoses in the wine industry.

Construction

> Tube

White Chemivic (complies with FDA, USDA and 3-A)

> Cover

Gray Chemivic (corrugated, wrapped impression)

> Reinforcement

Synthetic textile fabric plies and two galvanized wire helix

Packaging

Coiled, polyethylene wrapped and bagel-packed

Branding (Spiral)

Example: Continental ContiTech Gray Flextra® LT 150 psi WP FDA 3-A USDA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-357

Temperature Range

-25°F to 212°F (-32°C to 100°C)

Gray Flextra® LT

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20155751 | 1½ | 38.1 | 1.92 | 48.8 | 150 | 1.03 | 3 | 64 | 29 | 737 | 0.77 | 1.15 |
| 20134015 | 2 | 50.8 | 2.44 | 62.0 | 150 | 1.03 | 3 | 76 | 29 | 737 | 1.00 | 1.49 |
| 20313545 | 2½ | 63.5 | 3.00 | 76.2 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.46 | 2.17 |
| 20070367 | 3 | 76.2 | 3.51 | 89.2 | 150 | 1.03 | 6 | 140 | 29 | 737 | 1.95 | 2.90 |
| 20131039 | 4 | 101.6 | 4.55 | 115.6 | 150 | 1.03 | 7 | 191 | 29 | 737 | 2.59 | 3.85 |
| 20129912 | 5 | 127.0 | 5.66 | 143.8 | 150 | 1.03 | 12 | 305 | 29 | 737 | 3.84 | 5.71 |
| 20129913 | 6 | 152.4 | 6.66 | 169.2 | 150 | 1.03 | 17 | 432 | 29 | 737 | 4.55 | 6.77 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Gray Food



Product Specifications

Application

Plicord Gray Food is for both dry food transfer and liquid transfer. It is a flexible hose for gravity flow, pressure, or suction service transferring edibles from tank truck and in-plant service.

Construction

> Tube

White Chemivac synthetic rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

Gray Chemivac synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with galvanized wire helix

Temperature Range

-25°F to 230°F (-32°C to 110°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Gray Food 150 psi FDA 3-A USDA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-834

Plicord® Gray Food

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Gray | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20020211 | 1 | 25.4 | 1.45 | 36.7 | 150 | 1.03 | 3 | 75 | 29 | 737 | 0.58 | 0.86 |
| 20020212 | 1½ | 38.1 | 1.97 | 50.0 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.85 | 1.26 |
| 20020214 | 2 | 50.8 | 2.59 | 65.8 | 150 | 1.03 | 5 | 114 | 29 | 737 | 1.42 | 2.11 |
| 20020216 | 2½ | 63.5 | 3.09 | 78.5 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.77 | 2.63 |
| 20020217 | 3 | 76.2 | 3.59 | 91.2 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.10 | 3.13 |
| 20020219 | 4 | 101.6 | 4.68 | 118.9 | 150 | 1.03 | 10 | 254 | 29 | 737 | 3.19 | 4.75 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Nutriflex™ Static Wire



Product Specifications

Application

Nutriflex™ Static Wire is for both dry food transfer and liquid transfer. It is used for handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflex™ Static Wire conforms to USDA meat and poultry, 3-A sanitary, and FDA standards, and it is recommended for the transmission of powder pellets or granular materials.

Construction

> Tube

Clear Pliovic® (FDA, 3-A, USDA compliant), NSF-61

> Cover

Clear Pliovic® (corrugated construction) static wire placed between the tube and cover

> Reinforcement

Clear, high-density Pliovic® helix

Temperature Range

-15°F to 158°F (-26°C to 70°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-472

Nutriflex™ Static Wire

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20050287 | 1¼ | 31.8 | 1.56 | 39.6 | 50 | 0.34 | 3 | 76 | 29 | 737 | 0.29 | 0.43 |
| 20013602 | 1½ | 38.1 | 1.88 | 47.8 | 50 | 0.34 | 4 | 102 | 29 | 737 | 0.37 | 0.55 |
| 20119161 | 1¾ | 44.5 | 2.15 | 54.6 | 45 | 0.31 | 4 | 102 | 29 | 737 | 0.42 | 0.63 |
| 20013603 | 2 | 50.8 | 2.43 | 61.7 | 40 | 0.28 | 4 | 102 | 29 | 737 | 0.56 | 0.83 |
| 20013604 | 2½ | 63.5 | 3.08 | 78.2 | 35 | 0.24 | 5 | 127 | 29 | 737 | 1.00 | 1.49 |
| 20013605 | 3 | 76.2 | 3.58 | 90.9 | 35 | 0.24 | 7 | 178 | 29 | 737 | 1.12 | 1.67 |
| 20013606 | 4 | 101.6 | 4.70 | 119.4 | 35 | 0.24 | 11 | 279 | 29 | 737 | 1.53 | 2.28 |
| 20013607 | 5 | 127.0 | 5.75 | 146.1 | 35 | 0.24 | 22 | 559 | 29 | 737 | 2.13 | 3.17 |
| 20013608 | 6 | 152.4 | 6.76 | 171.7 | 25 | 0.17 | 30 | 762 | 28 | 711 | 2.62 | 3.90 |

Hose design ratio (burst pressure) 3:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food
 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Nutriflex™ Suction and Discharge Hose



Product Specifications

Application

Nutriflex™ S&D is for both dry food transfer and liquid transfer. It is capable of handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflex™ S&D conforms to USDA meat and poultry, 3-A sanitary, and FDA standards, and it is used for the transmission of raw and pasteurized milk and other high water content dairy items.

Construction

> Tube

Clear Pliovic® (FDA, 3-A, USDA compliant), NSF-61

> Cover

Clear Pliovic® (corrugated construction)

> Reinforcement

Clear, high-density, rigid Pliovic® helix

Temperature Range

-15°F to 158°F (-26°C to 70°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-417 (white)

586-422 (clear)

Nutriflex™ Suction and Discharge

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----------|-------|---------|------|---------|----|-------------|-----|-----------|----|--------|------|---------|
| | White | Clear | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20013300 | 20013338 | 1 | 25.4 | 1.30 | 33.0 | 60 | 0.41 | 2 | 51 | 29 | 737 | 0.23 | 0.34 |
| 20013303 | 20013339 | 1¼ | 31.8 | 1.56 | 39.6 | 50 | 0.34 | 3 | 76 | 29 | 737 | 0.28 | 0.42 |
| 20013306 | 20013340 | 1½ | 38.1 | 1.88 | 47.8 | 50 | 0.34 | 4 | 102 | 29 | 737 | 0.33 | 0.49 |
| 20013309 | 20013341 | 2 | 50.8 | 2.43 | 61.7 | 40 | 0.28 | 4 | 102 | 29 | 737 | 0.50 | 0.74 |
| 20013311 | 20013342 | 2½ | 63.5 | 3.05 | 77.3 | 35 | 0.24 | 5 | 127 | 29 | 737 | 0.86 | 1.28 |
| 20013313 | 20013343 | 3 | 76.2 | 3.56 | 90.4 | 35 | 0.24 | 7 | 178 | 29 | 737 | 1.02 | 1.52 |
| 20013315 | 20013344 | 4 | 101.6 | 4.71 | 119.6 | 35 | 0.24 | 10 | 254 | 29 | 737 | 1.64 | 2.44 |
| | 20013345 | 6 | 152.4 | 6.74 | 171.2 | 25 | 0.17 | 30 | 762 | 29 | 737 | 2.43 | 3.62 |

Hose design ratio (burst pressure) 3:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Nutriflo® Suction and Discharge Hose



Product Specifications

Application

Nutriflo® S&D is for both dry food transfer and liquid transfer. It is for handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service. Nutriflo® S&D conforms to USDA meat and poultry, 3-A sanitary, and FDA standards, and it is used for the transmission of raw and pasteurized milk and other high-water content dairy items.

Construction

> Tube

Clear Pliovic® (FDA, 3-A, USDA compliant), NSF-61

> Cover

Clear Pliovic®

> Reinforcement

White or clear high-density Pliovic® helix

Temperature Range

-15°F to 158°F (-26°C to 70°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-416 (white)

586-421 (clear)

Nutriflo® Suction and Discharge

| SAP # | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| White | Clear | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013266 | 20328013 | 3/4 | 19.1 | 0.99 | 25.2 | 120 | 0.83 | 3 | 83 | 29 | 737 | 0.18 | 0.27 |
| 20013269 | 20013329 | 1 | 25.4 | 1.24 | 31.5 | 106 | 0.73 | 5 | 114 | 29 | 737 | 0.26 | 0.39 |
| 20013274 | 20013330 | 1¼ | 31.8 | 1.55 | 39.4 | 99 | 0.68 | 5 | 127 | 29 | 737 | 0.36 | 0.54 |
| 20013279 | 20013331 | 1½ | 38.1 | 1.78 | 45.2 | 89 | 0.61 | 6 | 152 | 29 | 737 | 0.43 | 0.64 |
| 20013283 | 20013332 | 2 | 50.8 | 2.37 | 60.2 | 79 | 0.54 | 8 | 203 | 29 | 737 | 0.67 | 1.00 |
| 20013287 | 20013333 | 2½ | 63.5 | 2.89 | 73.4 | 65 | 0.45 | 10 | 254 | 29 | 737 | 0.89 | 1.32 |
| 20013290 | 20013334 | 3 | 76.2 | 3.48 | 88.4 | 65 | 0.45 | 12 | 305 | 29 | 737 | 1.15 | 1.71 |
| 20013293 | 20013335 | 4 | 101.6 | 4.50 | 114.3 | 55 | 0.38 | 16 | 406 | 29 | 737 | 1.65 | 2.46 |
| 20013297 | 20013337 | 6 | 152.4 | 6.63 | 168.4 | 47 | 0.32 | 36 | 914 | 29 | 737 | 3.39 | 5.04 |

Hose design ratio (burst pressure) 3:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Tan Flextra® - Food Transfer



Product Specifications

Application

Tan Flextra® is primarily for dry food transfer. It is for tank truck and in-plant service. Tan Flextra® is used to convey non-oily abrasive materials such as sand, limestone, plastic pellets and dry abrasive food products.

Construction

>Tube

Pureten™ gum rubber (non-oil-resistant) (FDA/USDA compliant)

>Cover

Tan SBR gum rubber (corrugated) with yellow spiral stripe (wrapped impression)

>Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Tan Flextra® FDA with Pureten™ 75 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendations and coupling procedure

Non-Stock/Sizes

Contact customer service for availability on cut, coiled and tied hose lengths.

Order Codes

549-987

Tan Flextra®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20790761 | 2 | 50.8 | 2.60 | 66.0 | 75 | 0.52 | 4 | 102 | 29 | 737 | 1.21 | 1.80 |
| 20790762 | 3 | 76.2 | 3.63 | 92.2 | 75 | 0.52 | 6 | 152 | 29 | 737 | 1.94 | 2.89 |
| 20790763 | 4 | 101.6 | 4.69 | 119.1 | 75 | 0.52 | 9 | 229 | 29 | 737 | 2.74 | 4.08 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Tan Softwall



Product Specifications

Application

Tan Softwall is primarily for dry food transfer. It is a fabric-reinforced hose for the discharge of non-oily abrasive materials such as sand, limestone, gravel, plastic pellets and dry food products. For use where static electricity buildup is not a problem.

Construction

> Tube

Tan Pureten™ gum rubber (FDA/USDA compliant)

> Cover

Tan SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with static wire

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Tan Softwall FDA with Pureten™ 75 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-988

Tan Softwall

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20790767 | 3 | 76.2 | 3.69 | 93.7 | 75 | 0.52 | 1.80 | 2.68 |
| 20790768 | 4 | 101.6 | 4.78 | 121.4 | 75 | 0.52 | 2.61 | 3.88 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Exstatic®



Product Specifications

Application

Exstatic® hose is primarily for dry food transfer. Use it for tank truck and/or in-plant transfer of dry, bulk foodstuffs where there is a potential for electrical static build up.

Construction

> Tube

FDA UHMWPE (static dissipating/static conductive) has FDA/USDA compliant materials

> Cover

Blue SBR synthetic rubber (corrugated)/spiral transfer stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Exstatic® FDA Dry Material Handling 150 psi

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Couplings Systems information pages at the back of this catalog.

Order Codes

549-608

Exstatic®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20019899 | 2 | 50.8 | 2.50 | 63.5 | 150 | 1.03 | 8 | 203 | 29 | 737 | 1.07 | 1.59 |
| 20019901 | 3 | 76.2 | 3.56 | 90.4 | 150 | 1.03 | 12 | 305 | 29 | 737 | 1.83 | 2.72 |
| 20019904 | 4 | 101.6 | 4.59 | 116.6 | 150 | 1.03 | 16 | 406 | 29 | 737 | 2.49 | 3.71 |
| 20019905 | 5 | 127.0 | 5.67 | 144.0 | 150 | 1.03 | 20 | 508 | 29 | 737 | 3.69 | 5.49 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Harvest®



Product Specifications

Application

Harvest® is primarily for dry food transfer. Use it for tank truck and/or in-plant applications for the transfer of dry, non-oily bulk foodstuffs.

Construction

> Tube

FDA, White Pureten™ (natural rubber) (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

Gray EPDM synthetic rubber (corrugated)/orange branding tape (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double galvanized wire helix

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: ContiTech Harvest® 150 psi WP
FDA USDA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-627

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Harvest®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20019927 | 2 | 50.8 | 2.73 | 69.3 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.57 | 2.34 |
| 20019928 | 3 | 76.2 | 3.74 | 95.0 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.32 | 3.45 |
| 20019929 | 4 | 101.6 | 4.78 | 121.4 | 150 | 1.03 | 10 | 254 | 29 | 737 | 3.44 | 5.12 |
| 20019930 | 5 | 127.0 | 5.91 | 150.1 | 150 | 1.03 | 15 | 381 | 29 | 737 | 4.76 | 7.08 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Blue Flour



Product Specifications

Application

Plicord® Blue Flour is primarily for dry food transfer. Use it for tank truck or in-plant service hose is for discharge transfer of abrasive materials and dry foods such as flour, cake mixes, etc.

Construction

> Tube

3/16" gauge white Pureten™ tube (FDA compliant)

> Cover

Blue SBR rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with two antistatic wires

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Blue Flour Discharge 150 psi FDA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-503

Plicord® Blue Flour

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019792 | 2 | 50.8 | 2.68 | 68.1 | 150 | 1.03 | 1.39 | 2.07 |
| 20019794 | 3 | 76.2 | 3.69 | 93.7 | 150 | 1.03 | 2.02 | 3.01 |
| 20019795 | 4 | 101.6 | 4.71 | 119.6 | 150 | 1.03 | 2.63 | 3.91 |
| 20019796 | 5 | 127.0 | 5.72 | 145.3 | 150 | 1.03 | 3.27 | 4.87 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Food - Liquid Transfer



| | | Dry or Page Liquid | Temp. Range | Beer/ Wine Dairy | Clear | Thermo- plastic | Rubber | 3-A, FDA, USDA | Static NSF 61 Wire | Helical Wire |
|--------------------------------------|-----|-----------------------|------------------------------------|---------------------|-------|--------------------|--------|-------------------|-----------------------|------------------|
| Aquapal | 101 | Liquid | -22°F to 194°F (-30°C to 90°C) | | | | Yes | FDA | | |
| Blaudieck LGD | 104 | Liquid | -27°F to 176°F (-30°C to 80°C) | Yes | | | Yes | 3A, FDA | | Special Order |
| Collector | 102 | Liquid | -40°F to 158°F (-40°C to 70°C) | Yes | | | Yes | 3A, FDA | | |
| Deep Blue Potable Water | 98 | Liquid | -40°F to 150°F (-40°C to 66°C) | | | | Yes | Yes | | |
| EZ Glide Wine | 93 | Liquid | -20°F to 180°F (-29°C to 82°C) | Yes | | | Yes | Yes | | Yes |
| Lactopal | 103 | Liquid | -22°F to 176°F (-30°C to 80°C) | Yes | | | Yes | 3A, FDA | | |
| Plicord Brewline | 96 | Liquid | -40°F to 220°F (-40°C to 104°C) | Yes | | | Yes | Yes | | |
| Plicord Clearwater Potable Water | 99 | Liquid | -40°F to 212°F (-40°C to 66°C) | | | | Yes | Yes | Yes | Yes |
| Plicord Distillery 150 | 92 | Liquid | -40°F to 150°F (-40°C to 66°C) | Yes | | | Yes | Yes | Yes | Yes |
| Plicord ExtremeFlex Beverage Gray | 91 | Liquid | -30°F to 220°F (-34°C to 104°C) | Yes | Yes | | Yes | Yes | | Yes |
| Plicord ExtremeFlex Beverage Red | 90 | Liquid | -30°F to 220°F (-34°C to 104°C) | Yes | Yes | | Yes | Yes | | Yes |
| Plicord Winline | 95 | Liquid | -40°F to 220°F (-40°C to 104°C) | Yes | | | Yes | Yes | | |
| Plovic FG (FDA-3A) | 107 | Liquid | -10°F to 158°F (-23°C to 70°C) | Yes | Yes | Yes | Yes | Yes | Yes | |
| Potable Water | 100 | Liquid | -40°F to 180°F (-40°C to 82°C) | | | | Yes | Yes | | |
| Purple Snake | 97 | Liquid | -22°F to 203°F (-30°C to 95°C) | Yes | | | Yes | 3A, FDA | | |
| Trix Multifood | 105 | Liquid | -4°F to 194°F (-20°C to 90°C) | Yes | | | Yes | FDA | | |
| Velocity Beverage Transfer | 106 | Liquid | -13°F to 140°F (-25°C to 60°C) | Yes | | Yes | | 3A, FDA | | Yes |
| Vintner | 94 | Liquid | -30°F to 220°F (-34°C to 104°C) | Yes | | | Yes | Yes | | |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® ExtremeFlex™ Beverage Red with EZ Clean Cover



Product Specifications

Application

Plicord ExtremeFlex Beverage Red with EZ Clean Cover is primarily for liquid transfer. Use it at beer, wine, distillery and beverage (edible liquid) transfer processing facilities. It is ideal for applications requiring flexible and/or tight bend connections.

Construction

> Tube
White chlorobutyl (FDA/USDA compliant and conforms to a 3-A Sanitary Standard 18-03)

>Cover

New corrugated red EZ Clean UHMWPE cover (semi-smooth finish)

>Reinforcement

Spiral-plied fabric with double galvanized helix wire

Temperature Range

-30°F to 220°F (-34°C to 104°C)

Couplings

Tri-clamp or sanitary ends are typically used with this hose. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-605

Plicord® ExtremeFlex™ Beverage Red

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG @ 72°F | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|-----|------------------|----|---------|------|------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m | |
| 20776605 | 1 | 25.4 | 1.52 | 38.7 | 250 | 1.72 | 2 | 51 | 29 | 737 | 0.65 | 0.96 |
| 20762754 | 1½ | 38.1 | 2.03 | 51.6 | 250 | 1.72 | 3 | 76 | 29 | 737 | 0.93 | 1.38 |
| 20752524 | 2 | 50.8 | 2.54 | 64.5 | 250 | 1.72 | 4 | 102 | 29 | 737 | 1.21 | 1.80 |
| 20762758 | 3 | 76.2 | 3.60 | 91.5 | 200 | 1.38 | 6 | 152 | 29 | 737 | 2.03 | 3.02 |
| 20762760 | 4 | 101.6 | 4.61 | 117 | 150 | 1.03 | 8 | 203 | 29 | 737 | 2.77 | 4.12 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge

Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® ExtremeFlex™ Beverage Gray



Product Specifications

Application

Plicord® ExtremeFlex™ Beverage is primarily for liquid transfer. Use it at beer, wine, distillery and beverage (edible liquid) transfer processing facilities. It is ideal for applications requiring flexible and/or tight bend connections.

Construction

> Tube

White chlorobutyl (FDA/USDA compliant and conforms to a 3-A Sanitary Standard 18-03)

> Cover

Corrugated gray Chemivac (wrapped impression)

> Reinforcement

Spiral-plied fabric with double galvanized helix wire

Temperature Range

-30°F to 220°F (-34°C to 104°C)

Couplings

Tri-clamp or sanitary ends are typically used with this hose. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-004 (red Microban®)

549-603 (gray)

Plicord® ExtremeFlex™ Beverage Gray

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG @ 72°F | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|------------------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20762678 | 1 | 25.4 | 1.56 | 39.7 | 250 | 1.72 | 1.5 | 38 | 29 | 737 | 0.73 | 1.09 |
| 20762679 | 1½ | 38.1 | 2.02 | 51.3 | 250 | 1.72 | 2.3 | 57 | 29 | 737 | 0.92 | 1.38 |
| 20762751 | 2 | 50.8 | 2.53 | 64.2 | 250 | 1.72 | 3.0 | 76 | 29 | 737 | 1.20 | 1.79 |
| 20762752 | 3 | 76.2 | 3.59 | 91.2 | 200 | 1.38 | 4.5 | 114 | 29 | 737 | 2.02 | 3.01 |
| 20762753 | 4 | 101.6 | 4.60 | 116.8 | 150 | 1.03 | 6.0 | 152 | 29 | 737 | 2.76 | 4.11 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Distillery 150



Product Specifications

Application

Plicord® Distillery 150 is primarily for liquid transfer. It is used to transfer high proof alcohol and other liquids (ex. whiskey, vodka) up to 100% per volume maximum alcohol concentrate.

Temperature Range

-40°F to 150°F (-40°C to 66°C)

Maximum Alcohol Concentrate

100% pure volume

Construction

> Tube

UHMWPE (FDA/USDA and 3-A compliant, NSF 61 listed material)

> Cover

Corrugated gray EPDM (wrapped impression)

> Reinforcement

Spiral-plied fabric with double galvanized wire helix

Branding

Continental ContiTech Plicord® Distillery 150 psi WP FDA 3-A & USDA Made in Canada (3/4" transfer tape with white backing with green lettering)

Order Codes

549-683

Plicord® Distillery 150

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-------|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20866181 | 1 | 25.4 | 1.45 | 36.8 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.57 | 0.85 |
| 20866182 | 1 1/2 | 38.1 | 1.98 | 50.4 | 150 | 1.03 | 5 | 127 | 29 | 737 | 0.87 | 1.29 |
| 20866183 | 2 | 50.8 | 2.53 | 64.3 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.20 | 1.79 |
| 20866184 | 3 | 76.2 | 3.56 | 90.4 | 150 | 1.03 | 9 | 229 | 29 | 737 | 1.93 | 2.88 |
| 20866185 | 4 | 101.6 | 4.58 | 116.4 | 150 | 1.03 | 12 | 305 | 29 | 737 | 2.63 | 3.92 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

EZ GLIDE WINE™



Product Specifications

Application

EZ Glide Wine™ is primarily for liquid transfer. It is a quality, nontoxic hose for handling wine, potable water and other non-oily liquid food products where the hose must meet FDA requirements. It can be used for discharge service and suction service up to 20" HG vacuum at ambient temperature.

Construction

> Tube

White chlorobutyl rubber (FDA/USDA compliance and conforms to 3-A Sanitary Standard 18-03), non-phthalates compound

> Cover

Gray Chemivic rubber and green outer helix

> Reinforcement

Synthetic fabric plies

Temperature Range

-20°F to 180°F (Maximum 200°F for cleaning purposes only)

Branding (Spiral)

Example: Continental ContiTech Vintner™ Hose

Couplings

Contact fitting manufacturer for proper fitting recommendations and coupling procedure

Order Codes

549-646

EZ Glide Wine™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|------|---------|------|---------|-----|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20829361 | 1½ | 38.1 | 2.06 | 52.4 | 150 | 1 | 3 | 76 | 20 | 508 | 0.93 | 1.38 |
| 20829362 | 2 | 50.8 | 2.59 | 65.9 | 150 | 1 | 3 | 76 | 20 | 508 | 1.22 | 1.88 |
| 20829262 | 3 | 76.2 | 3.61 | 91.7 | 150 | 1 | 5 | 127 | 20 | 508 | 1.85 | 2.74 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Vintner™



Product Specifications

Application

Vintner™ is primarily for liquid transfer. Use it for handling in-plant and/or tank truck transfer of wine, beer, potable water and other non-oily, liquid foodstuffs. The monofilament helix is rust proof and is a crush-resistant alternative to traditional softwall or steel wire reinforced hoses.

Construction

> Tube

White chlorobutyl (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

Gray EPDM synthetic rubber (wrapped)/purple branding tape

> Reinforcement

Spiral-plied synthetic fabric with a monofilament helix

Temperature Range

-30°F to 220°F (-34°C to 104°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Vintner™ 250 psi FDA 3-A USDA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

Contact customer service for availability of cut, coiled and tied hose lengths.

Order Codes

549-009 (red Microban®)
549-886 (white)

Vintner™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Gray | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20020354 | 1 | 25.4 | 1.62 | 41.1 | 250 | 1.72 | 3 | 76 | 27 | 686 | 0.71 | 1.06 |
| 20020356 | 1½ | 38.1 | 2.11 | 53.6 | 250 | 1.72 | 4 | 102 | 27 | 686 | 0.98 | 1.46 |
| 20020361 | 2 | 50.8 | 2.68 | 68.1 | 250 | 1.72 | 7 | 178 | 27 | 686 | 1.38 | 2.05 |
| 20020362 | 2½ | 63.5 | 3.21 | 81.5 | 250 | 1.72 | 10 | 254 | 27 | 686 | 1.78 | 2.65 |
| 20020365 | 3 | 76.2 | 3.81 | 96.8 | 250 | 1.72 | 12 | 305 | 27 | 686 | 2.80 | 4.17 |
| 20905070 | 4 | 101.6 | 4.88 | 124 | 250 | 1.72 | 24 | 610 | 27 | 686 | 3.50 | 5.21 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Winline®



Product Specifications

Application

Plicord® Winline® is primarily for liquid transfer. It is a quality, nontoxic hose for handling wine, potable water and other non-oily liquid food products where the hose must meet FDA requirements. It can be used for discharge service and suction service up to 20" HG vacuum at ambient temperature.

Construction

> Tube

White chlorobutyl rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

White EPDM rubber with a purple spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric, 4 plies to 1½" ID; 6 plies over 1½" ID

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Winline®
250 psi FDA 3-A USDA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-887

Plicord® Winline®

| SAP # | ID | | Nom. OD | | Max. WP | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20020367 | 3/4 | 19.1 | 1.39 | 35.3 | 250 | 1.72 | 20 | 508 | 0.60 | 0.89 |
| 20020371 | 1 | 25.4 | 1.69 | 42.9 | 250 | 1.72 | 20 | 508 | 0.80 | 1.19 |
| 20099578 | 1¼ | 31.8 | 2.00 | 50.8 | 250 | 1.72 | 20 | 508 | 1.04 | 1.55 |
| 20020376 | 1½ | 38.1 | 2.23 | 56.6 | 250 | 1.72 | 20 | 508 | 1.20 | 1.79 |
| 20020379 | 2 | 50.8 | 2.92 | 74.2 | 250 | 1.72 | 20 | 508 | 1.98 | 2.95 |
| 20020380 | 2½ | 63.5 | 3.50 | 88.9 | 250 | 1.72 | 20 | 508 | 2.65 | 3.94 |
| 20020382 | 3 | 76.2 | 4.09 | 103.9 | 250 | 1.72 | 20 | 508 | 3.55 | 5.28 |
| 20031599 | 4 | 101.6 | 5.30 | 134.6 | 250 | 1.72 | 20 | 508 | 5.40 | 8.04 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Brewline®



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Product Specifications

Application

Plicord® Brewline® is primarily for liquid transfer. It is a quality discharge hose designed specifically for the highly demanding service of transferring non-oily liquid products in wineries and breweries.

Construction

> Tube

White chlorobutyl rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

Red EPDM with a white spiral stripe (wrapped impression)

> Reinforcement

Spiral-plyed synthetic fabric, 4 plies to 1½" ID; 6 plies over 1½" ID

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Plicord® Brewline® 250 psi FDA 3-A USDA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 549-003 (red Microban®)
- 549-885 (red)

Plicord® Brewline

| SAP # | ID | | Nom. OD | | Max. WP | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20020324 | 3/4 | 19.1 | 1.34 | 34.0 | 250 | 1.72 | 20 | 508 | 0.54 | 0.80 |
| 20020327 | 1 | 25.4 | 1.69 | 42.9 | 250 | 1.72 | 20 | 508 | 0.81 | 1.21 |
| 20032192 | 1¼ | 31.8 | 2.00 | 50.8 | 250 | 1.72 | 20 | 508 | 1.05 | 1.56 |
| 20020335 | 1½ | 38.1 | 2.23 | 56.6 | 250 | 1.72 | 20 | 508 | 1.19 | 1.77 |
| 20020341 | 2 | 50.8 | 2.88 | 73.2 | 250 | 1.72 | 20 | 508 | 1.86 | 2.77 |
| 20020345 | 2½ | 63.5 | 3.51 | 89.2 | 250 | 1.72 | 20 | 508 | 2.66 | 3.96 |
| 20020348 | 3 | 76.2 | 4.09 | 103.9 | 250 | 1.72 | 20 | 508 | 3.57 | 5.31 |
| 20020352 | 4 | 101.6 | 5.31 | 134.9 | 250 | 1.72 | 20 | 508 | 5.43 | 8.08 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Purple Snake®

NEW



Product Specifications

Application

Purple Snake® is primarily for liquid transfer. In improved quality it is the ideal hose for breweries, winepresses, bottlers and many other installations in the brewing, beverage and spirits industry. Flexibility, pressure resistance and long service life - even under extreme working conditions - are additional advantages, making it the most popular hose all over the world. The new, optimized lining conforms to foodstuffs regulations and is absolutely neutral to taste and odor. The tube is suitable for pure alcohol up to 98%.

Purple Snake® is resistant to conventional cleaning agents and disinfectants. It can easily be cleaned conventionally or by CIP installations. This hose is manufactured to European standards.

Construction

> Tube

White, EPDM, non-porous and high-performing special lining, absolutely neutral to taste and odor. FDA compliant, and confirms to 3-A Sanitary Standard 18-03. Meets the recommendation XXI of BfR

> Cover

Red, EPDM, patterned fabric special cover, resistant to ozone, weather, UV and abrasion

> Reinforcement

Synthetic fibers

Temperature Range

-22°F to 203°F (-30°C to 95°C)

Branding

Blue wavy line on red cover, interrupted by the words "Continental ContiTech PURPURSCHLANGE® FDA glass/fork symbol BfR EG 1935/2006 2023/2006 Made in Germany" spirally applied

Purple Snake®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | Vacuum HG | | Weight | |
|----------|--------|-------|---------|-----|---------|-----|-------------|-----|--------|-----------|-----|--------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | | ft. | in. | mm | lb./ft. |
| 20836428 | 1/2 | 12.7 | 13/16 | 20 | 232 | 1.6 | 3 1/8 | 80 | 131 | 17.7 | 456 | 0.17 | 0.25 |
| 20836429 | 5/8 | 15.9 | 15/16 | 24 | 232 | 1.6 | 4 | 100 | 131 | 17.7 | 456 | 0.20 | 0.30 |
| 20836430 | 3/4 | 19.1 | 1 1/8 | 29 | 232 | 1.6 | 4 3/4 | 120 | 131 | 17.7 | 456 | 0.30 | 0.45 |
| 20836431 | 1 | 25.4 | 1 7/16 | 37 | 232 | 1.6 | 6 5/16 | 160 | 131 | 14.7 | 380 | 0.50 | 0.75 |
| 20836432 | 1 1/8 | 28.6 | 1 5/8 | 42 | 232 | 1.6 | 7 1/16 | 180 | 131 | 14.7 | 380 | 0.67 | 1.00 |
| 20836434 | 1 1/4 | 31.8 | 1 7/8 | 48 | 232 | 1.6 | 7 1/2 | 190 | 197 | 14.7 | 380 | 0.81 | 1.20 |
| 20836435 | 1 1/2 | 38.1 | 2 3/16 | 56 | 232 | 1.6 | 9 1/16 | 230 | 131 | 14.7 | 380 | 1.08 | 1.60 |
| 20836436 | 1 9/16 | 39.7 | 2 1/4 | 58 | 232 | 1.6 | 9 7/16 | 240 | 131 | 14.7 | 380 | 1.11 | 1.65 |
| 20836437 | 2 | 50.8 | 2 3/4 | 70 | 232 | 1.6 | 11 13/16 | 300 | 100 | 11.8 | 304 | 1.48 | 2.20 |
| 20836439 | 2 5/8 | 66.7 | 3 1/2 | 89 | 232 | 1.6 | 17 3/4 | 450 | 131 | 11.8 | 304 | 2.22 | 3.30 |
| 20836440 | 3 | 76.2 | 3 7/8 | 99 | 232 | 1.6 | 19 11/16 | 500 | 100 | 8.8 | 228 | 2.55 | 3.80 |
| 20836442 | 3 1/8 | 79.4 | 4 1/4 | 108 | 232 | 1.6 | 22 1/16 | 560 | 131 | 8.8 | 228 | 3.23 | 4.80 |
| 20836444 | 4 | 101.6 | 5 1/8 | 130 | 232 | 1.6 | 27 9/16 | 700 | 100 | 8.8 | 228 | 4.30 | 6.40 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Deep Blue Potable Water

NEW



Product Specifications

Application

Deep Blue Potable Water is primarily for liquid transfer. It is used for the transfer of potable water, non-potable water or liquids not containing oils or chemicals.

Temperature Range

-40°F to 150°F (-40°C to 66°C)

Branding

Continental ContiTech Deep Blue Potable Water
150 psi with NSF61 listed tube material Made in Canada

Order Codes

542-087

Construction

> Tube

Special tube material that is listed on NSF61 board

> Cover

Blue SBR

> Reinforcement

Spiral-plied synthetic fiber

Deep Blue Potable Water

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20873236 | 1 | 25.4 | 1.30 | 32.9 | 150 | 1.03 | 0.32 | 0.48 |
| 20873237 | 1 1/2 | 38.1 | 1.84 | 46.7 | 150 | 1.03 | 0.52 | 0.78 |
| 20873238 | 2 | 50.8 | 2.35 | 59.8 | 150 | 1.03 | 0.72 | 1.06 |
| 20873239 | 2 1/2 | 63.5 | 2.85 | 72.5 | 150 | 1.03 | 0.88 | 1.31 |
| 20873250 | 3 | 76.2 | 3.38 | 85.8 | 150 | 1.03 | 1.13 | 1.68 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Clearwater Potable Water



Product Specifications

Application

Clearwater is a WRAS (Water Regulations Advisory Scheme) approved hose suitable for handling drinking water for domestic purposes.

Construction

> Tube

UHMWPE conforms to FDA, USDA, 3-A standards and NSF-61 listed materials

> Cover

Blue abrasion- and ozone-resistant EPDM rubber

> Reinforcement

Synthetic fabric with double wire helix

Temperature Range

-40°F to 212°F (-40°C to 66°C)

Branding

Continental ContiTech Plicord Clearwater Potable Water-WRAS Approval No 1006505 Made in Canada

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-583

Plicord Clearwater Potable Water

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20576715 | 1/2 | 12.7 | 0.913 | 23.2 | 200 | 1.38 | 3.0 | 76 | 29 | 737 | 0.29 | 0.44 |
| 20425738 | 3/4 | 19.1 | 1.201 | 30.5 | 200 | 1.38 | 4.0 | 102 | 29 | 737 | 0.44 | 0.65 |
| 20425739 | 1 | 25.4 | 1.455 | 36.9 | 200 | 1.38 | 4.0 | 102 | 29 | 737 | 0.57 | 0.85 |
| 20425740 | 1¼ | 31.8 | 1.704 | 43.4 | 200 | 1.38 | 4.0 | 102 | 29 | 737 | 0.68 | 1.02 |
| 20425741 | 1½ | 38.1 | 1.954 | 49.6 | 200 | 1.38 | 5.0 | 127 | 29 | 737 | 0.80 | 1.19 |
| 20425742 | 2 | 50.8 | 2.517 | 63.9 | 200 | 1.38 | 6.0 | 152 | 29 | 737 | 1.15 | 1.78 |
| 20425743 | 3 | 76.2 | 3.611 | 91.7 | 200 | 1.38 | 9.0 | 229 | 29 | 737 | 2.06 | 3.07 |
| 20425744 | 4 | 101.6 | 4.620 | 117.4 | 200 | 1.38 | 10.0 | 254 | 29 | 737 | 2.71 | 4.04 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Potable Water



Product Specifications

Application

Potable Water is primarily for liquid transfer. It is designed to handle water suitable for drinking. Potable Water can be used in oilfield or industrial applications. It is used in discharge service only. Potable Water is not NSF approved.

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

Coiled, polyethylene wrapped and bagel-packed

Branding (Spiral)

Example: Continental ContiTech Potable Water Hose

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

542-445

Construction

> Tube

White natural rubber (complies with FDA requirements)

> Cover

Blue SBR (smooth, wrapped impression)

> Reinforcement

Synthetic textile fabric plies

Potable Water

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20016702 | 1 | 25.4 | 1.49 | 37.9 | 250 | 1.72 | 0.55 | 0.82 |
| 20016704 | 1½ | 38.1 | 1.98 | 50.3 | 250 | 1.38 | 0.77 | 1.15 |
| 20016706 | 2 | 50.8 | 2.50 | 63.5 | 150 | 1.03 | 0.96 | 1.43 |
| 20344236 | 3 | 76.2 | 3.58 | 91.0 | 150 | 1.03 | 1.72 | 2.56 |
| 20016709 | 4 | 101.6 | 4.56 | 115.8 | 150 | 1.03 | 1.99 | 2.96 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Aquapal®

NEW



Product Specifications

Application

Aquapal® is primarily for liquid transfer. It is the ideal hose when it comes to conveying potable water in the food and beverage industry, for camping and caravanning, for filling potable water storage tanks, in large-scale catering establishments, for maintaining domestic emergency supplies, at public festivals and for many other applications. The special transparent, plastic inner lining free of plasticizers is homogeneous, smooth, absolutely neutral to taste and odor and conforms to FDA requirements. Aquapal® is manufactured to European standards.

Construction

> Tube

Special transparent plastomer coating, homogeneous, smooth and free of plasticizers

> Cover

NBR (nitrile), blue, resistant to abrasion, UV, ozone, fats and oils

> Reinforcement

Synthetic fibers

Temperature Range

-22°F to 194°F (-30°C to 90°C)

Branding

Yellow wavy line on blue cover, longitudinally applied.

"Continental ContiTech www.AQUAPAL.de Trinkwasser / Potable Water PN20 KTW "a" / W270 / VP 549 DCGW CERT DW-0309BT0079 "DVGW symbol" / WRAS Approval No. 1208533 / FDA glass/fork symbol Made in Germany"

Aquapal®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | Weight | |
|----------|-------|-------|---------|------|---------|-----|-------------|-----|--------|--------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | | ft. | lb./ft. |
| 20836372 | 1/6 | 4.2 | 3/8 | 9 | 290 | 2 | 1 | 25 | 131 | 0.05 | 0.08 |
| 20836373 | 1/3 | 8.5 | 9/16 | 14 | 290 | 2 | 2 | 50 | 131 | 0.09 | 0.14 |
| 20836374 | 3/8 | 9.5 | 11/16 | 17.2 | 290 | 2 | 2.4 | 60 | 131 | 0.14 | 0.21 |
| 20836375 | 1/2 | 12.7 | 13/16 | 20.2 | 290 | 2 | 3 | 75 | 131 | 0.17 | 0.25 |
| 20836376 | 5/8 | 15.9 | 15/16 | 23.2 | 290 | 2 | 3.7 | 95 | 131 | 0.2 | 0.30 |
| 20836377 | 3/4 | 19.1 | 1 1/16 | 27.4 | 290 | 2 | 4.3 | 110 | 131 | 0.28 | 0.42 |
| 20836378 | 7/8 | 22.2 | 1 1/4 | 31 | 290 | 2 | 5.1 | 130 | 131 | 0.34 | 0.51 |
| 20836379 | 1 | 25.4 | 1 5/16 | 34 | 290 | 2 | 5.7 | 145 | 131 | 0.38 | 0.57 |
| 20836380 | 1 1/4 | 31.81 | 1 11/16 | 43 | 290 | 2 | 11 | 280 | 131 | 0.59 | 0.87 |
| 20836381 | 1 1/2 | 38.1 | 2 | 51 | 290 | 2 | 13 | 330 | 131 | 0.81 | 1.20 |
| 20836382 | 2 | 50.8 | 2 9/16 | 65 | 290 | 2 | 17.1 | 435 | 131 | 1.2 | 1.79 |
| 20836387 | 3 | 76.2 | 3 9/16 | 90 | 290 | 2 | 14.8 | 375 | 131 | 2.22 | 3.30 |
| 20836388 | 4 | 101.6 | 4 9/16 | 116 | 290 | 2 | 19.7 | 500 | 131 | 3.17 | 4.71 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Collector®

NEW



Product Specifications

Application

Collector® is primarily for liquid transfer. It is the ideal high-quality hose for the reliable and safe use with milk collecting trucks. Its white lining made from natural rubber is absolutely neutral to taste and odor, resistant to raw milk as well as to commonly used cleaning products. The reinforcements with just one steel wire helix allow a pressure of 6 bar.

The very high flexibility of the hose makes it easy to handle. The NR cover is resistant to abrasion, UV and ozone. Collector® meets the recommendation XXI of BfR and is FDA compliant. Collector® is manufactured to European standards.

Construction

> Tube

Natural rubber (NR), white. FDA compliant and conforms to 3-A Sanitary Standard 18-03; Meets the recommendation XXI of BfR

> Cover

NR, blue, resistant to ozone, weather and abrasion

> Reinforcement

Synthetic fibers with steel wire helix

Temperature Range

-40°F to 158°F (-40°C to 70°C)

Branding

Two parallel, spirally applied red stripes, interrupted by the word "Collector" on blue cover

Collector®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | Vacuum HG | | Weight | |
|----------|--------|-------|---------|-----|---------|-----|-------------|-----|--------|-----------|-----|--------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | | ft. | in. | mm | lb./ft. |
| 20836389 | 1 1/2 | 38.1 | 1 15/16 | 49 | 87 | 0.6 | 3 | 76 | 131 | 21 | 532 | 0.81 | 1.20 |
| 20836390 | 1 9/16 | 39.7 | 2 | 51 | 87 | 0.6 | 3 1/8 | 80 | 131 | 21 | 532 | 0.87 | 1.30 |
| 20836391 | 1 3/4 | 44.5 | 2 3/16 | 56 | 87 | 0.6 | 3 9/16 | 90 | 131 | 21 | 532 | 0.94 | 1.40 |
| 20836392 | 2 | 50.8 | 2 3/8 | 61 | 87 | 0.6 | 3 15/16 | 100 | 100 | 21 | 532 | 1.01 | 1.50 |
| 20836393 | 2 1/8 | 54.0 | 2 1/2 | 64 | 87 | 0.6 | 4 3/16 | 106 | 131 | 21 | 532 | 1.08 | 1.60 |
| 20836394 | 2 1/2 | 63.5 | 3 | 75 | 87 | 0.6 | 4 15/16 | 126 | 131 | 12 | 304 | 1.48 | 2.20 |
| 20836395 | 2 5/8 | 66.7 | 3 1/8 | 79 | 87 | 0.6 | 5 1/2 | 140 | 131 | 12 | 304 | 1.68 | 2.50 |
| 20836396 | 3 | 76.2 | 3 1/2 | 89 | 87 | 0.6 | 6 11/16 | 170 | 100 | 12 | 304 | 2.02 | 3.00 |
| 20836397 | 4 | 101.6 | 4 9/16 | 116 | 87 | 0.6 | 9 13/16 | 250 | 100 | 12 | 304 | 3.06 | 4.55 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Lactopal®

NEW



Product Specifications

Application

Lactopal® is primarily for liquid transfer. It is a multi-purpose, high-class hose for the food, pharmaceutical and cosmetic industry. The white lining, resistant to fatty and oily products, is homogeneous, smooth and neutral to taste and odor. It is resistant to commonly used cleaning and disinfecting products. Specially developed for rough working conditions, Lactopal® is robust, ensuring dimensional stability and resists running-over by trucks. This hose is manufactured to European standards.

Construction

> Tube

White, homogeneous and non-porous nitrile lining, absolutely neutral to taste and odor. FDA compliant and conforms to 3-A Sanitary Standard 18-03. Meets the recommendation XXI of BfR

> Cover

Patterned blue fabric nitrile cover, resistant to ozone, weather, UV and abrasion

> Reinforcement

Synthetic fibers

Temperature Range

-22°F to 176°F (-30°C to 80°C)

Branding

Red spiral with an integrated wavy line interrupted by the words "Continental ContiTech Lactopal® FDA glass/fork symbol BfR EG 1935/2004 2023/2006 Made in Germany" on blue cover, spirally applied

Lactopal®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | Vacuum HG | | Weight | |
|----------|--------|-------|---------|-----|---------|-----|-------------|-----|--------|-----------|-----|--------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | | ft. | in. | mm | lb./ft. |
| 20836414 | 1/2 | 12.7 | 13/16 | 21 | 232 | 1.6 | 3 1/8 | 80 | 131 | 17.7 | 456 | 0.19 | 0.28 |
| 20836415 | 5/8 | 15.9 | 15/16 | 24 | 232 | 1.6 | 3 15/16 | 100 | 131 | 17.7 | 456 | 0.22 | 0.32 |
| 20836416 | 3/4 | 19.1 | 1 1/8 | 29 | 232 | 1.6 | 4 1/2 | 115 | 131 | 17.7 | 456 | 0.34 | 0.50 |
| 20836417 | 1 | 25.4 | 1 7/16 | 37 | 232 | 1.6 | 5 15/16 | 150 | 131 | 14.7 | 380 | 0.54 | 0.8 |
| 20836418 | 1 1/4 | 31.8 | 1 7/8 | 48 | 232 | 1.6 | 7 11/16 | 195 | 131 | 14.7 | 380 | 0.94 | 1.40 |
| 20836419 | 1 1/2 | 38.1 | 2 3/16 | 56 | 232 | 1.6 | 9 1/16 | 230 | 131 | 14.7 | 380 | 1.14 | 1.70 |
| 20836420 | 1 9/16 | 39.7 | 2 1/4 | 58 | 232 | 1.6 | 9 7/16 | 240 | 131 | 14.7 | 380 | 1.28 | 1.90 |
| 20836421 | 2 | 50.8 | 2 3/4 | 70 | 232 | 1.6 | 11 13/16 | 300 | 100 | 11.8 | 304 | 1.84 | 2.70 |
| 20836422 | 2 3/8 | 60.3 | 3 1/8 | 80 | 232 | 1.6 | 16 9/16 | 420 | 131 | 11.8 | 304 | 2.02 | 3.00 |
| 20836423 | 2 5/8 | 66.7 | 3 1/2 | 89 | 232 | 1.6 | 17 15/16 | 455 | 131 | 11.8 | 304 | 2.55 | 3.80 |
| 20836424 | 2 3/4 | 69.9 | 3 11/16 | 94 | 232 | 1.6 | 19.5/16 | 490 | 131 | 8.8 | 228 | 2.62 | 3.90 |
| 20836425 | 3 | 76.2 | 3 7/8 | 99 | 232 | 1.6 | 20 11/16 | 525 | 100 | 8.8 | 228 | 2.76 | 4.10 |
| 20836426 | 3 1/8 | 79.4 | 4 1/4 | 108 | 232 | 1.6 | 22 1/16 | 560 | 131 | 8.8 | 228 | 3.43 | 5.10 |
| 20836427 | 4 | 101.6 | 5 1/8 | 130 | 232 | 1.6 | 27 9/16 | 700 | 100 | 8.8 | 228 | 4.50 | 6.70 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Blaudieck® LGD



Product Specifications

Application

Blaудieck® LGD is primarily for liquid transfer. It offers high quality at a reasonable price. The hygienically smooth, non-porous tube is absolutely neutral to taste and odor and thus suitable for various applications in the beverage and food industry. It is resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both tube and cover are resistant to oil and fats and is FDA compliant. Blaудieck® LGD is manufactured to European standards.

Construction

> Tube

White, non-porous and smooth NBR (nitrile) tube, absolutely neutral to taste and odor. Meets the recommendation XXI of BfR and FDA and 3A sanitary.

> Cover

Blue, fabric patterned NBR (nitrile) cover, resistant to ozone, weather, UV and abrasion

> Reinforcement

Synthetic fibers

Temperature Range

-27°F to 176°F (-30°C to 80°C)

Branding

Two white stripes on a blue cover.

"Continental ContiTech Blaудieck® FDA glass/fork symbol BfR EG 1935/2004 2023/2006 Made in Germany" spirally applied

Blaудieck® LGD

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|--------|------|---------|----|---------|-----|-------------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20853788 | 1 | 25.4 | 1 7/16 | 37 | 232 | 1.6 | 3 1/8 | 80 | 0.19 | 0.28 |
| 20853783 | 1 1/2 | 38.1 | 2 3/16 | 56 | 232 | 1.6 | 9 1/16 | 230 | 1.14 | 1.70 |
| 20853791 | 1 9/16 | 39.7 | 2 1/4 | 58 | 232 | 1.6 | 9 7/16 | 240 | 1.28 | 1.90 |
| 20853792 | 2 | 50.8 | 2 3/4 | 70 | 232 | 1.6 | 11 13/16 | 300 | 1.81 | 2.70 |
| 20853796 | 2 5/8 | 66.7 | 3 1/2 | 89 | 232 | 1.6 | 17 15/16 | 455 | 2.55 | 3.80 |
| 20853793 | 3 | 76.2 | 3 7/8 | 99 | 232 | 1.6 | 20 11/16 | 525 | 2.75 | 4.10 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Trix® Multifood Blue



Product Specifications

Application

Trix® Multifood Blue is primarily for liquid transfer. It is the universal hose for the food industry. It can be used in dairy and cheese production, margarine production, large-scale catering establishments, the fish processing industry as well as in breweries, slaughter-houses, oil mills, the skinning industry, large-scale butcher's shops and jam productions. It is suitable for conveying milk, whey and hot water up to 194°F (90°C). This hose is manufactured to European standards.

Construction

> Tube

White, homogeneous, smooth NBR (nitrile) tube, absolutely neutral to taste and odor, FDA compliant

> Cover

Blue, smooth NBR (nitrile) cover, resistant to ozone, weather, UV, oils, fats, and abrasion

> Reinforcement

Synthetic fibers

Temperature Range

-4°F to 194°F (-20°C to 90°C)

Branding

"Continental ContiTech Trix® Multifood DN 13 PN 20 BAR / 290 psi glass/fork symbol FDA Made in Germany" on blue cover

Trix® Multifood Blue

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | | Weight | |
|----------|-----|------|---------|----|---------|-----|-------------|-----|--------|---------|--------|--|
| | in. | mm | in. | mm | psi | MPa | in. | mm | ft. | lb./ft. | kg/m | |
| 20853786 | 1/2 | 12.7 | 15/16 | 23 | 290 | 2.0 | 3 3/4 | 95 | 131 | 0.29 | 0.43 | |
| 20836447 | 5/8 | 15.9 | 1 | 26 | 290 | 2.0 | 4 1/2 | 115 | 131 | 0.34 | 0.50 | |
| 20853784 | 3/4 | 19.1 | 1 1/4 | 31 | 290 | 2.0 | 5 15/16 | 150 | 131 | 0.47 | 0.70 | |
| 20853787 | 1 | 25.4 | 1 9/16 | 39 | 290 | 2.0 | 7 7/8 | 200 | 131 | 0.71 | 1.05 | |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food
 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Velocity™ Beverage Transfer Hose



Product Specifications

Application

Velocity™ Beverage Transfer Hose is primarily for liquid transfer. This hose uses USDA, FDA and NSF approved materials. It is ideal for applications needing a lightweight, flexible PVC hose such as wineries and microbreweries.

Helix

White rigid PVC compound

Temperature Range

-13°F to 140°F (-25°C to 60°C)

Order Codes

591-103

Construction

> Tube

Clear Pliovic® compound, conforms to FDA, USDA and 3-A standards

> Cover

Clear Pliovic® compound

> Reinforcement

Polyester synthetic yarn

Velocity™ Beverage Transfer Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | Vacuum | | Bend Radius |
|----------|-----|-------|---------|-------|---------|------|---------|------|--------|-----|-------------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m | in. | mm | in. |
| 20806470 | 1.5 | 38.1 | 2.03 | 51.7 | 110 | 0.76 | 0.65 | 0.97 | 29 | 737 | 2.5 |
| 20806471 | 2 | 50.8 | 2.46 | 62.5 | 100 | 0.69 | 0.71 | 1.06 | 29 | 737 | 4 |
| 20806472 | 3 | 76.2 | 3.71 | 94.2 | 100 | 0.69 | 1.42 | 2.12 | 29 | 737 | 6 |
| 20810398 | 4 | 101.6 | 4.75 | 120.6 | 75 | 0.52 | 1.85 | 2.75 | 29 | 737 | 7 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Pliovic® FG (FDA-3A)



Product Specifications

Application

Pliovic® FG Transfer is primarily for liquid transfer. It is a versatile, lightweight, reinforced tubing for the food and beverage, general air, multipurpose, pharmaceutical and cosmetics industries. Pliovic® FG Transfer can also be used for computer component manufacturers, textile mills and air-actuated equipment..

Construction

> Tube

Clear Pliovic® compound, conforms to FDA, USDA, NSF-61 and 3-A standards

> Cover

Clear Pliovic® compound, conforms to FDA, USDA, NSF-61 and 3-A standards

> Reinforcement

Spiral synthetic yarn

Temperature Range

-10°F to 158°F (-23°C to 70°C)

Packaging

1/4"-5/8" - 300' bagel-pack, one-piece
3/4" and 1" - 200' bagel-pack, one-piece

Branding

Example: Continental ContiTech Pliovic® FG FDA & 3-A
Compliant 3/8" ID (9.5 mm) 250 psi WP (1.7 MPa)
Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendations and coupling procedure

Non-Stock/Sizes

Contact customer service for availability of cut, coiled and tied hose lengths.

Order Codes

540-337

Pliovic® FG (FDA-3A)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|-------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20129509 | 1/4 | 6.4 | 0.44 | 11.2 | 250 | 1.72 | 0.05 | 0.07 |
| 20129600 | 5/16 | 7.9 | 0.50 | 12.7 | 250 | 1.72 | 0.07 | 0.10 |
| 20129601 | 3/8 | 9.5 | 0.59 | 15.0 | 250 | 1.72 | 0.08 | 0.12 |
| 20129602 | 1/2 | 12.7 | 0.75 | 19.1 | 200 | 1.38 | 0.12 | 0.18 |
| 20129603 | 5/8 | 15.9 | 0.87 | 22.1 | 200 | 1.38 | 0.15 | 0.22 |
| 20337878 | 3/4 | 19.1 | 1.02 | 25.9 | 150 | 1.03 | 0.19 | 0.28 |
| 20316305 | 1 | 25.4 | 1.34 | 34.0 | 125 | 0.86 | 0.31 | 0.46 |
| 20463346 | 1¼ | 31.75 | 1.72 | 43.6 | 125 | 0.86 | 0.60 | 0.89 |
| 20463340 | 1½ | 38.1 | 1.98 | 50.2 | 125 | 0.86 | 0.72 | 1.07 |

Hose design ratio (burst pressure) 4:1. For ContiTech food hose compliance information, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Food Transfer

Food Hose Recommendation Guide - Specific Hose Application Capabilities

| | Tube: Compound | Chemivic | Pureten | Pureten | Chlorobutyl | Pliovic |
|--|-----------------------------------|--|-------------------------------------|--|----------------------------|---|
| | Tube: Color | White | Tan | White | White | Clear |
| | Hose Name | White Flexwing, White Flextra, Gray Flextra LT, Gray Food, White Softwall, Lactopal, Blaudieck LGD, Trix Multifood | Flexwing, Tan Flextra, Tan Softwall | Blue Flour Discharge, Harvest, Collector | Winline, Brewline, Vintner | Pliovic FG, Nutriflo, Nutriflex, Nutriflex SW |
| | Food | | | | | |
| | (B) | | | | | |
| | Beet Sugar, Granular | I | A | A | X | B |
| | Buttermilk, Dried | X | A | A | X | B |
| | (C) | | | | | |
| | Cane Sugar, Granular | I | A | A | X | B |
| | Cashew Nut Oil | A | X | X | X | X |
| | Castor Oil | A | X | X | X | X |
| | Citric Acid | A | A | A | A | B |
| | Cocoa Butter | A | X | X | X | I |
| | Coconut Oil | A | X | X | X | X |
| | Corn Oil | A | X | X | X | X |
| | Cottonseed Oil | A | X | X | X | X |
| | (F) | | | | | |
| | Fish Meal | A | X | X | X | B |
| | Flour | I | A | A | X | |
| | (G) | | | | | |
| | Grape Juice | A | X | X | A | B |
| | (L) | | | | | |
| | Lactic Acid | A | B | B | B | X |
| | Lard Oil | A | X | X | X | X |
| | Linseed Oil | A | X | X | X | X |
| | Liquor (Spirits) | B | X | X | X | B |
| | (M) | | | | | |
| | Milk | A | X | X | A | B |
| | Mineral Oil | A | X | X | X | B |
| | Molasses | A | A | A | A | A |
| | (O) | | | | | |
| | Olive Oil | A | X | X | X | X |
| | Orange Juice | A | X | X | A | A |
| | (P) | | | | | |
| | Palm Oil | A | X | X | X | X |
| | Paraffin | A | X | X | X | B |
| | Peanut Oil | A | X | X | X | X |
| | Potato Flour | I | A | A | A | A |
| | (S) | | | | | |
| | Salt, Granular, Table Grade | I | A | A | X | A |
| | Shortening | A | X | X | X | I |
| | Soybean Oil | A | X | X | X | X |
| | Sucrose | A | A | A | X | A |
| | Sugar, Granulated | I | A | A | X | A |
| | Sugar, Syrup | A | A | A | A | A |
| | (T) | | | | | |
| | Tallow | A | X | X | X | X |
| | Tomato Juice, Paste & Puree Sauce | A | X | X | I | B |
| | (V) | | | | | |
| | Vegetable Oil | A | X | X | X | X |
| | Vinegar | A | X | X | A | A |
| | (W) | | | | | |
| | Water, Potable | A | X | X | A | A |
| | Whiskey | B | X | X | X | X |
| | Wine | A | X | X | A | I |

Key: A - Excellent; B - Good; X - Not recommended; I - Insufficient information.
 Note: For temperatures in excess of 150°F (66°C), consult customer service.

Recommended Cleaning

When Using ContiTech Hose for the Food and Beverage Industry

Cleaning before first use

Elastomer hose may have a slight odor of their own, which is technologically unavoidable and can be eliminated by proper cleaning.

We therefore recommend the following cleaning procedure before first use:

- > Fill the hose with hot water
- > Store in the hose for at least 10 hours
- > Empty the hose

We then recommend one of the following cleaning processes:

| Cleaning agents | Temperature and duration |
|--|--|
| Water | + 90°C max. 20 minutes |
| Steam | 2x + 130°C max. 20 minutes |
| Chemicals | Temperature and duration |
| Caustic Soda (NaOH) | 2% at room temperature max. 30 minutes |
| Hydrogen Peroxide (H ₂ O ₂) | 0.15% at room temperature max. 30 minutes |
| Nitric Acid (HNO ₃) | 0.15% at room temperature max. 30 minutes |

In all cases, the hose must be rinsed with tap water!

If the hose still unexpectedly gives off an odor, several cleaning processes should be conducted consecutively.

Standard cleaning

After use or at regular intervals, the hose must be treated with an ordinary cleaning and sanitizing agent. For detailed information and to choose a suitable cleaning and sanitizing agent, please refer to our complete resistance list.

Please observe our recommendations on storing and maintaining hose.

Special features of extended disinfection cycles

In the case of extended disinfection cycles – such as those at the weekend or on public holidays – notwithstanding the concentration specifications of the disinfection manufacturer, the concentrations are to be reduced by at least 50%.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Food Washdown



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

| | Page | Non-Marking | Superior Oil Resistance Tube and Cover | Superior Abrasion Cover | Anti Microbial Cover | Tapered Nozzle | Wire | Textile |
|------------------------|------|-------------|--|-------------------------|----------------------|----------------|------|---------|
| Blue Fortress 300 | 113 | Yes | Yes | Yes | Yes | | | Yes |
| Dinga Water Saving Gun | 119 | | | | | | | |
| Fortress 300 | 114 | Yes | Yes | Yes | Yes | | | Yes |
| Fortress 1000 | 112 | Yes | Yes | Yes | Yes | | | Yes |
| Fortress 3000 | 111 | Yes | Yes | Yes | Yes | | Yes | |
| Gauntlet 1500 | 68 | Yes* | Yes | Yes | | | | Yes |
| Plicord Washdown | 303 | | | | | Yes | | Yes |
| Poseidon | 115 | Yes | Yes | | | | | Yes |
| Protection Ring | 120 | | | | | | | |
| Sani-Wash 300 | 118 | Yes | | | | | | Yes |
| Sani-Wash Supreme 300 | 116 | Yes | | | Yes | | | Yes |
| Super Sani-Wash 300 | 117 | Yes | | | Yes | | | Yes |

*Non-black colors.

Fortress® 3000 with Microban® Product Protection



Product Specifications

Application

Fortress® 3000 is for use on pressure washing machines with working pressures up to 3000 psi. Applications include washdown service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion- and oil-resistant cover provides maximum protection against the adverse effects of oil and animal fats. The cover of the Fortress® 3000 hose incorporates Microban®* antimicrobial built-in product protection.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Carbyn™ synthetic rubber, ARPM Class A (High Oil Resistance) with Microban® built-in product protection

> Reinforcement

One braided steel wire

Temperature Range

-20°F to 250°F (-29°C to 121°C)

Packaging

500' reel, maximum 3 pieces, 50' increments: coupled lengths available

Branding

Example: Fortress® 3000 with Microban® Antimicrobial Product Protection 3/8" 3000 psi WP Made in USA Continental ContiTech

Couplings

Use ContiTech pressure washing fittings with this product. See the Coupling Systems information pages at the back of this catalog for available sizes. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-400 (yellow)

539-401 (blue)

Fortress® 3000

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|-------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20141421 | 1/4 | 6.4 | 0.53 | 13.5 | 3000 | 20.69 | 0.15 | 0.22 |
| 20139340 | 3/8 | 9.5 | 0.69 | 17.5 | 3000 | 20.69 | 0.24 | 0.36 |
| 20141423 | 1/2 | 12.7 | 0.82 | 20.8 | 3000 | 20.69 | 0.32 | 0.48 |

Hose design ratio (burst pressure) 4:1.

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Fortress® 1000 with Microban® Product Protection



Product Specifications

Application

For use on pressure washer machines with working pressures up to 1000 psi. Applications include washdown service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse effects of oil and animal fats. The cover of the Fortress® 1000 hose incorporates Microban®* antimicrobial built-in product protection.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance) with Microban® product protection

> Reinforcement

One braided synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increments: coupled lengths available

Branding

Example: Fortress® 1000 with Microban® Antimicrobial Product Protection 3/8" 1000 psi WP Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 536-575 (yellow)
- 536-583 (red)
- 536-481 (blue)
- 536-646 (green)
- 536-647 (purple)

Fortress® 1000

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20451915 | 1/4 | 6.4 | 0.59 | 15.0 | 1000 | 6.9 | 0.12 | 0.18 |
| 20139345 | 3/8 | 9.5 | 0.75 | 19.1 | 1000 | 6.9 | 0.18 | 0.27 |
| 20141359 | 1/2 | 12.7 | 0.86 | 21.8 | 1000 | 6.9 | 0.20 | 0.30 |
| 20141420 | 3/4 | 19.1 | 1.20 | 30.5 | 1000 | 6.9 | 0.42 | 0.62 |

Hose design ratio (burst pressure) 4:1.

*Microban® Antimicrobial Product Protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Blue Fortress® 300 with Microban® with FDA Compliant White Tube



Product Specifications

Application

A high-quality-construction hose for hot water washdown and cleanup service up to 200°F (93°C). It can be used in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse effects of oil and animal fats. The cover of the Blue Fortress® 300 hose incorporates Microban® antimicrobial built-in product protection. The white tube is comprised of FDA-compliant materials.

Construction

> Tube

White FDA compliant nitrile synthetic rubber

> Cover

Blue Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance) with Microban® product protection

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

Bulk

Branding

Example: Fortress® 300 with Microban® Antimicrobial Product Protection 3/4" 300 psi WP Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-121

Blue Fortress® 300 with FDA Compliant White Tube

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20189064 | 1/2 | 12.7 | 0.90 | 22.8 | 300 | 2.07 | 0.30 | 0.45 |
| 20630248 | 5/8 | 15.8 | 1.06 | 26.9 | 300 | 2.07 | 0.37 | 0.62 |
| 20190318 | 3/4 | 19.1 | 1.19 | 30.2 | 300 | 2.07 | 0.44 | 0.65 |
| 20459020 | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.57 | 0.95 |

Hose design ratio (burst pressure) 4:1.

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practice.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Fortress® 300 with Microban® Product Protection



Product Specifications

Application

A high-quality-construction hose for hot water cleanup, up to 200°F (93°C). Use this hose in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil-resistant cover provides maximum protection against the adverse effects of oil and animal fats. The cover of the Fortress® 300 hose incorporates Microban®** antimicrobial built-in protection.

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Yellow Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance) with Microban® product protection

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

1/2"-3/4" - 500' reels, maximum 3 pieces, 50' increments
1" - 450' reels, maximum 3 pieces, 50' increments

Branding

Example: Fortress® 300 with Microban® Antimicrobial Product Protection 3/8" 300 psi WP. Made in USA
Continental ContiTech

Couplings

Use ContiTech pressure washing fittings with this product. See the Coupling Systems information pages at the back of this catalog for available sizes. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Coupled lengths with MxMS fittings and kink guards available.

Order Codes

569-120 (yellow)

Fortress® 300

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20135640 | 1/2 | 12.7 | 0.90 | 22.8 | 300 | 2.07 | 0.29 | 0.43 |
| 20135644 | 5/8 | 15.9 | 1.06 | 27.0 | 300 | 2.07 | 0.36 | 0.54 |
| 20135645 | 3/4 | 19.1 | 1.19 | 30.2 | 300 | 2.07 | 0.41 | 0.61 |
| 20135646 | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.60 | 0.89 |

Hose design ratio (burst pressure) 4:1.

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Poseidon



Product Specifications

Application

Poseidon is a high-quality, economical hose for hot water cleanup up to 210°F (99°C). Use this hose in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries.

Construction

> Tube

Black nitrile synthetic rubber, ARPM Class A (High Oil Resistance), non-FDA

> Cover

White Chemivac synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

1/2"-3/4" - 500' reels, maximum 3 pieces, 50' increments
1" - 450' reels, maximum 3 pieces, 50' increments

Branding

Example: Poseidon (19.1 mm) 300 psi WP Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-019

Poseidon

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|-------|-----|---------|------|---------|-----|--------|---------|------|
| | White | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026069 | | 1/2 | 12.7 | 0.91 | 23.1 | 300 | 2.07 | 0.27 | 0.40 |
| 20026071 | | 3/4 | 19.1 | 1.18 | 30.0 | 300 | 2.07 | 0.40 | 0.60 |
| 20026078 | | 1 | 25.4 | 1.50 | 38.1 | 300 | 2.07 | 0.60 | 0.89 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Sani-Wash™ Supreme 300

NEW



Product Specifications

Application

Sani-Wash™ Supreme 300 is used for hot water washdown and cleanup, up to 210°F (99°C). Use this hose in food processing plants, dairies, packing houses, bottling plants, breweries, canneries, and creameries. The cover incorporates Microban® antimicrobial built-in product protection. The white tube is comprised of FDA compliant materials.

Temperature Range

-40°F to 210°F (- 40°C to 99°C)

Branding

Example: Continental ContiTech Sani-Wash™ Supreme 300 with Antimicrobial Product Protection 300 psi WP 3/4" (19.1 mm) Made in USA

Construction

> Tube

White FDA compliant EPDM

> Cover

White EPDM with Microban® product protection

>Reinforcement

Spiral textile reinforcement

Order Codes

569-122

Sani-Wash™ Supreme 300

| SAP # | ID | | Nom. OD | | Weight | |
|----------|-----|------|---------|------|---------|------|
| | in. | mm | in. | mm | lb./ft. | kg/m |
| 20909658 | 3/4 | 19.1 | 1.17 | 29.7 | 0.44 | 0.65 |

Hose design ratio (burst pressure) 4:1.

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Super Sani-Wash™ 300



Product Specifications

Application

Super Sani-Wash™ is an economical hose for hot water washdown and cleanup, up to 200°F (93°C). Use this hose in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. The cover of the Super Sani-Wash™ 300 washdown hose incorporates Microban® antimicrobial built-in product protection.

Construction

> Tube

EPDM synthetic rubber

> Cover

White EPDM synthetic rubber with Microban® product protection

> Reinforcement

Spiral textile reinforced

Temperature Range

-40°F to 210°F (- 40°C to 99°C)

Packaging

Reels

Branding

Example: Continental ContiTech Super Sani-Wash™ 300 with Microban® Antimicrobial Product Protection 3/4" (19.1 mm) 300 psi WP Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

For special production run minimum requirements, see Appendix C.

Order Codes

569-021

Super Sani-Wash™ 300

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20449743 | 1/2 | 12.7 | 0.84 | 21.3 | 300 | 2.07 | 0.26 | 0.39 |
| 20448570 | 3/4 | 19.1 | 1.17 | 29.7 | 300 | 2.07 | 0.42 | 0.63 |
| 20449746 | 1 | 25.4 | 1.47 | 37.3 | 300 | 2.07 | 0.62 | 0.92 |

Hose design ratio (burst pressure) 4:1.

*Microban® antimicrobial product protection inhibits the growth of bacteria, mold and fungi that can cause odor, stains or degradation of the hose cover.

Microban® is intended to protect the hose cover only. It is not a substitute for good sanitary practices.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Sani-Wash™ 300



Product Specifications

Application

Sani-Wash™ 300 is an economical hose for hot water washdown and cleanup, up to 205°F (96°C). Use this hose in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries.

Construction

> Tube

EPDM synthetic rubber

> Cover

White EPDM synthetic rubber

> Reinforcement

Textile reinforced

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

1/2"-3/4" - 500' reels, maximum 3 pieces, 50' increments
 1" - 450' reels, maximum 3 pieces, 50' increments

Branding

Example: Continental ContiTech Sani-Wash™ 300 psi WP 3/4" (19.1 mm) Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendations and coupling procedure.

Order Codes

569-020

Sani-Wash™ 300

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|-------|-----|---------|------|---------|-----|--------|---------|------|
| | White | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20070992 | 1/2 | | 12.7 | 0.84 | 21.3 | 300 | 2.07 | 0.26 | 0.39 |
| 20136571 | 5/8 | | 15.9 | 1.00 | 25.4 | 300 | 2.07 | 0.31 | 0.46 |
| 20070993 | 3/4 | | 19.1 | 1.17 | 29.7 | 300 | 2.07 | 0.42 | 0.63 |
| 20070994 | 1 | | 25.4 | 1.47 | 37.3 | 300 | 2.07 | 0.62 | 0.92 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Dinga Water Saving Gun

NEW



Product Specifications

Application

The Dinga Water-Saving Gun is extremely robust and has a long service life due to its high-quality brass/stainless steel design. Additionally, it is protected against shock, heat and cold and has a rubber protection against any damage from caustic solutions and acids. The use of this gun helps to save considerable water and energy costs, which, along with its chemical-free cleaning capability, contributes to the protection of the environment. The flow can be adjusted from a fine spray to a concentrated jet. Thus, the gun is suitable for a careful and efficient cleaning of nearly any professional application.

Working pressures up to 363 psi (25 bar)*, with adjustable water spray, resistant to caustic solution and acids, flow rate of water 25 l or 6.6 gallons/minute at 5 bar / 72 psi. Shock-, heat- and cold-proof.

*Hose assemblies are rated to the lowest maximum working pressure of individual hose/fittings/nozzle components.

Temperature Range

122°F / 50°C maximum temperature rating

Couplings

Available for hose connections 1/2" (SAP 20853798), 3/4" (20853799) and 1" (SAP 20853800).

Dinga Water Saving Gun

| SAP # | ID | | Max. WP | | Weight | |
|----------|-----|------|---------|-----|---------|------|
| | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20836030 | 1/2 | 12.7 | 363 | 2.5 | 2.43 | 1.10 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Protection Ring

NEW


Product Specifications

Application

Rubber protection rings are ideal for food processing applications to lift fittings off of the floor protecting both the floor and the fitting from scratches caused by dropping the fitting. The ID of the protection ring is the same as the size of the OD or a bit smaller to fit tight to the hose in order to avoid sliding off.

When ordering, please specify the size of the hose and the correct protection ring will be shipped to you.

Construction

> Tube

Natural rubber/SBR blend

Temperature Range

-4°F to 176°F (-20°C to 80°C)

Protection Ring

| SAP # | ID | | Nom. OD | | Color |
|----------|------|------|---------|-------|-------|
| | in. | mm | in. | mm | |
| 20875950 | 0.18 | 4.5 | 1/2 | 13.0 | Blue |
| 20875951 | 0.22 | 5.5 | 3/4 | 19.0 | Blue |
| 20875952 | 0.24 | 6.0 | 1 | 25.0 | Blue |
| 20875953 | 0.24 | 6.0 | 1 1/4 | 32.0 | Blue |
| 20875954 | 0.35 | 9.0 | 1 1/2 | 38.0 | Blue |
| 20875955 | 0.35 | 9.0 | 1 9/16 | 40.0 | Blue |
| 20875956 | 0.31 | 8.0 | 2 | 50.0 | Blue |
| 20875957 | 0.39 | 10.0 | 2 | 50.0 | Blue |
| 20875958 | 0.31 | 8.0 | 2 5/8 | 65.0 | Blue |
| 20875959 | 0.47 | 12.0 | 2 5/8 | 65.0 | Blue |
| 20875960 | 0.31 | 8.0 | 3 | 75.0 | Blue |
| 20875961 | 0.47 | 12.0 | 3 | 75.0 | Blue |
| 20875962 | 0.31 | 8.0 | 3 1/8 | 80.0 | Blue |
| 20875963 | 0.55 | 14.0 | 3 1/8 | 80.0 | Blue |
| 20875964 | 0.35 | 9.0 | 4 | 100.0 | Blue |
| 20875965 | 0.59 | 15.0 | 4 | 100.0 | Blue |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Marine



| | Page | SAE | USCG | Hardwall | Softwall |
|--|------|-----|------|----------|----------|
| Flexshield Marine Barrier Hose USCG/SAE J1527 & ISO 7840 Type A1-15 | 128 | Yes | Yes | | |
| Marine Fuel Feed Vent Hose USCG/SAE J1527 Type A2 | 129 | Yes | Yes | | |
| Marine Fuel Feed Vent Hose USCG/SAE J1527 Type B2 | 130 | Yes | Yes | | |
| Marine Fuel Line USCG/SAE J1527 & ISO 7840 Type A1 | 127 | Yes | Yes | | |
| Plicord Hardwall Wet Exhaust | 122 | | Yes | Yes | |
| Plicord SAE J1527 Type A2 (fuel fill) | 126 | Yes | Yes | Yes | |
| Plicord Softwall Wet Exhaust | 124 | | Yes | | Yes |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Hardwall Wet Exhaust



Product Specifications

Application

For water suction and discharge applications, including engine intake, bilge exhaust, toilet, holding tank and scupper lines. Also for industrial water suction and discharge applications where unique sizes are required to fit over pipe. Does not meet SAE J2006 R2 Spec.*

Construction

> Tube

Black nitrile synthetic rubber ARPM Class A (High Oil Resistance)

> Cover

Black SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-20°F to 180°F (-29°C to 82°C)

*Spec 542-812 (<6") and 541-812 (>6") meet the SAE J2006 R2 Spec, but the tube is non-oil-resistant (Class C Oil Resistance).

Packaging

1/2"-5 1/2" - 50' exact length, coiled and poly-wrapped
6"-8" - 25' exact length, poly-wrapped

Branding (Spiral)

Example: Industrial ORS/Wet Exhaust Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-193 (>6")
543-193 (<6")

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Hardwall Wet Exhaust

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-------|-------|---------|-------|---------|------|-------------|------|-----------|-----|--------|---------|
| | Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20142763 | 1/2 | 12.7 | 0.95 | 24.3 | 250 | 1.72 | 2 | 51 | 29 | 737 | 0.35 | 0.52 |
| 20149571 | 5/8 | 15.9 | 1.07 | 27.3 | 200 | 1.38 | 2 | 51 | 29 | 737 | 0.40 | 0.59 |
| 20133706 | 3/4 | 19.0 | 1.19 | 30.4 | 200 | 1.38 | 3 | 76 | 29 | 737 | 0.46 | 0.68 |
| 20142765 | 7/8 | 22.2 | 1.32 | 33.5 | 200 | 1.38 | 3 | 76 | 29 | 737 | 0.52 | 0.77 |
| 20129126 | 1 | 25.4 | 1.44 | 36.6 | 150 | 1.03 | 3 | 76 | 29 | 737 | 0.57 | 0.84 |
| 20138386 | 1 1/8 | 28.6 | 1.58 | 40.3 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.64 | 0.95 |
| 20107682 | 1 1/4 | 31.8 | 1.70 | 43.3 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.70 | 1.04 |
| 20123332 | 1 3/8 | 34.9 | 1.82 | 46.3 | 125 | 0.86 | 4 | 102 | 29 | 737 | 0.75 | 1.11 |
| 20123383 | 1 1/2 | 38.1 | 1.94 | 49.3 | 100 | 0.69 | 4 | 102 | 29 | 737 | 0.81 | 1.20 |
| 20142751 | 1 5/8 | 41.3 | 2.07 | 52.8 | 100 | 0.69 | 4 | 102 | 29 | 737 | 0.87 | 1.29 |
| 20123333 | 1 3/4 | 44.4 | 2.22 | 56.4 | 100 | 0.69 | 4 | 102 | 29 | 737 | 0.94 | 1.40 |
| 20105482 | 1 7/8 | 47.6 | 2.33 | 59.3 | 100 | 0.69 | 6 | 152 | 29 | 737 | 0.99 | 1.47 |
| 20123384 | 2 | 50.8 | 2.44 | 62.4 | 75 | 0.52 | 6 | 152 | 29 | 737 | 1.05 | 1.56 |
| 20107683 | 2 1/8 | 54.0 | 2.59 | 65.8 | 75 | 0.52 | 6 | 152 | 29 | 737 | 1.11 | 1.65 |
| 20138387 | 2 1/4 | 57.1 | 2.70 | 68.6 | 75 | 0.52 | 6 | 152 | 29 | 737 | 1.16 | 1.72 |
| 20140304 | 2 3/8 | 60.3 | 2.83 | 72.1 | 75 | 0.52 | 8 | 203 | 29 | 737 | 1.22 | 1.81 |
| 20107684 | 2 1/2 | 63.5 | 3.02 | 76.8 | 75 | 0.52 | 8 | 203 | 29 | 737 | 1.57 | 2.33 |
| 20135126 | 2 3/4 | 69.8 | 3.28 | 83.3 | 50 | 0.34 | 8 | 203 | 29 | 737 | 1.72 | 2.56 |
| 20139655 | 2 7/8 | 73.0 | 3.40 | 86.5 | 50 | 0.34 | 8 | 203 | 29 | 737 | 1.79 | 2.66 |
| 20123334 | 3 | 76.2 | 3.51 | 89.1 | 50 | 0.34 | 10 | 254 | 29 | 737 | 1.77 | 2.63 |
| 20107686 | 3 1/8 | 79.4 | 3.66 | 93.0 | 50 | 0.34 | 10 | 254 | 29 | 737 | 1.86 | 2.77 |
| 20135127 | 3 1/2 | 88.9 | 4.05 | 103.0 | 50 | 0.34 | 10 | 254 | 29 | 737 | 2.07 | 3.08 |
| 20142764 | 4 | 101.6 | 4.53 | 115.2 | 50 | 0.34 | 12 | 305 | 29 | 737 | 2.45 | 3.65 |
| 20278423 | 4 1/2 | 114.3 | 5.10 | 129.7 | 30 | 0.21 | 14 | 356 | 29 | 737 | 3.47 | 5.17 |
| 20274816 | 5 | 127.0 | 5.61 | 142.5 | 30 | 0.21 | 24 | 610 | 29 | 737 | 3.83 | 5.70 |
| 20183338 | 6 | 152.4 | 6.67 | 169.4 | 30 | 0.21 | 30 | 762 | 29 | 737 | 5.19 | 7.73 |
| 20344004 | 6 5/8 | 168.3 | 7.49 | 190.4 | 30 | 0.21 | 36 | 914 | 29 | 737 | 7.93 | 11.80 |
| 20183339 | 8 | 203.2 | 8.87 | 225.4 | 30 | 0.21 | 44 | 1118 | 29 | 737 | 8.92 | 13.20 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Softwall Wet Exhaust



Product Specifications

Application

For water discharge applications for engines, toilets, scuppers and bilge pumps. Will not part. Does not meet SAE J2006 R1 Spec.*

Construction

> Tube

Black nitrile synthetic rubber ARPM Class A (High Oil Resistance)

> Cover

Black Chemivic synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-20°F to 180°F (-29°C to 82°C)

Packaging

25' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Industrial ORS/Wet Exhaust Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-154 (<6")

541-154 (>6")

*Spec 542-813 (<6") and 541-813 (>6") meet the SAE J2006 R1 Spec, but the tube is non-oil-resistant (Class C Oil Resistance).

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Softwall Wet Exhaust

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|--------|---------|------|---------|-----|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20123258 | 1/2 | 12.7 | 0.94 | 23.9 | 250 | 1.72 | 0.29 | 0.43 |
| 20126043 | 3/4 | 19.0 | 1.18 | 30.0 | 200 | 1.38 | 0.26 | 0.38 |
| 20115943 | 7/8 | 22.2 | 1.30 | 33.2 | 200 | 1.38 | 0.44 | 0.65 |
| 20107027 | 1 | 25.4 | 1.43 | 36.3 | 150 | 1.03 | 0.48 | 0.71 |
| 20156178 | 1 1/8 | 28.6 | 1.57 | 39.9 | 150 | 1.03 | 0.54 | 0.80 |
| 20113717 | 1 1/4 | 31.8 | 1.69 | 43.0 | 150 | 1.03 | 0.59 | 0.87 |
| 20107028 | 1 5/16 | 33.3 | 1.75 | 44.5 | 125 | 0.86 | 0.64 | 0.90 |
| 20110836 | 1 3/8 | 34.9 | 1.81 | 46.0 | 125 | 0.86 | 0.64 | 0.95 |
| 20107029 | 1 1/2 | 38.1 | 1.92 | 49.0 | 100 | 0.62 | 0.62 | 0.92 |
| 20107050 | 1 5/8 | 41.3 | 2.06 | 52.5 | 100 | 0.69 | 0.74 | 1.10 |
| 20108751 | 1 3/4 | 44.4 | 2.20 | 56.0 | 100 | 0.69 | 0.80 | 1.19 |
| 20115942 | 1 7/8 | 47.6 | 2.32 | 59.0 | 100 | 0.69 | 0.84 | 1.25 |
| 20107025 | 2 | 50.8 | 2.51 | 63.7 | 75 | 0.52 | 1.04 | 1.54 |
| 20137213 | 2 1/8 | 54.0 | 2.64 | 67.1 | 75 | 0.52 | 1.10 | 1.63 |
| 20105483 | 2 1/4 | 57.1 | 2.75 | 69.9 | 75 | 0.52 | 1.15 | 1.71 |
| 20105484 | 2 3/8 | 60.3 | 2.94 | 74.7 | 75 | 0.52 | 1.35 | 2.01 |
| 20107080 | 2 1/2 | 63.5 | 3.05 | 77.6 | 75 | 0.52 | 1.41 | 2.10 |
| 20107081 | 2 7/8 | 73.0 | 3.44 | 87.4 | 75 | 0.52 | 1.61 | 2.31 |
| 20105485 | 3 | 76.2 | 3.54 | 90.1 | 50 | 0.34 | 1.66 | 2.47 |
| 20137215 | 3 1/8 | 79.4 | 3.70 | 94.0 | 50 | 0.34 | 1.74 | 2.59 |
| 20107082 | 3 1/2 | 88.9 | 4.09 | 109.0 | 50 | 0.34 | 1.94 | 2.89 |
| 20110837 | 4 | 101.6 | 4.57 | 116.1 | 50 | 0.34 | 2.18 | 3.24 |
| 20110838 | 4 1/2 | 114.3 | 5.06 | 128.6 | 30 | 0.21 | 2.43 | 3.62 |
| 20118697 | 5 | 127.0 | 5.56 | 141.3 | 30 | 0.21 | 2.68 | 3.99 |
| 20137217 | 5 1/2 | 139.7 | 6.09 | 154.8 | 30 | 0.21 | 2.94 | 4.38 |
| 20114451 | 6 | 152.4 | 6.56 | 166.6 | 30 | 0.21 | 3.19 | 4.75 |
| 20126042 | 6 5/8 | 168.3 | 7.37 | 187.3 | 30 | 0.21 | 4.78 | 7.12 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® SAE J1527 Type A2 Fuel Fill



Product Specifications

Application

The Plicord® SAE J1527 Type A2, ISO 7840 and CE Fuel Fill hose is for marine gasoline tanks. It is the connection from the boat's fuel fill port down to the boat's fuel tank.

Construction

> Tube

Nitrile synthetic rubber ARPM Class A (High Oil Resistance)

> Cover

Chemivac synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-20°F to 180°F (-29°C to 82°C)

Packaging

50' exact lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Plicord® SAE J1527 USCG Type A2 ISO 7840

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-414

Plicord® SAE J1527 Type A2

| SAP # | ID | | Nom. OD | | Max. WP | | Vacuum HG | | Weight | |
|----------|-----|------|---------|------|---------|------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20050850 | 1¼ | 31.8 | 1.70 | 43.2 | 100 | 0.69 | 29 | 737 | 0.68 | 1.01 |
| 20017852 | 1½ | 38.0 | 1.86 | 47.1 | 100 | 0.69 | 29 | 737 | 0.65 | 0.97 |
| 20017855 | 1⅞ | 47.6 | 2.30 | 58.4 | 100 | 0.69 | 29 | 737 | 0.96 | 1.43 |
| 20095640 | 2 | 50.8 | 2.43 | 61.7 | 50 | 0.34 | 29 | 737 | 1.01 | 1.50 |
| 20017857 | 2⅜ | 69.9 | 2.80 | 71.1 | 50 | 0.34 | 29 | 737 | 1.19 | 1.77 |

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Marine Fuel Line USCG/SAE J1527 & ISO 7840 Type A1



Product Specifications

Application

For marine gasoline tanks. For fuel feed and vent applications on marine pleasure craft. It meets U.S. Coast Guard and International Marine Certification Institute requirements for Type A1 service.

Construction

> Tube

Black nitrile synthetic rubber ARPM Class A(High Oil Resistance)

> Cover

Black Chemivic synthetic rubber

> Reinforcement

Spiral synthetic yarn

Temperature Range

0°F to 115°F (-17°C to 46°C)

Packaging

200' reels, maximum 3 pieces, increments of 50'

Branding

Example: Continental ContiTech USCG/SAE J 1527 Type A1 ISO 7840-A1 CE

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

595-032

Marine Fuel Line SAE J1527 Type A1

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20069186 | 1/4 | 6.4 | 0.65 | 16.5 | 49 | 0.34 | 0.17 | 0.25 |
| 20069187 | 5/16 | 7.9 | 0.71 | 18.0 | 49 | 0.34 | 0.19 | 0.28 |
| 20069188 | 3/8 | 9.5 | 0.78 | 19.8 | 49 | 0.34 | 0.20 | 0.30 |
| 20028994 | 1/2 | 12.7 | 0.89 | 23.0 | 36 | 0.25 | 0.26 | 0.39 |
| 20106800 | 5/8 | 15.9 | 1.06 | 25.8 | 36 | 0.25 | 0.35 | 0.52 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexshield™ SAE J1527 USCG Type A1-15 / ISO 7840 Marine Barrier Hose



Product Specifications

Application

This hose is designed for marine gasoline tanks for fuel feed and vent applications on marine pleasure craft. Its barrier style construction meets the new EPA requirements for low permeation class A1-15 marine fuel lines. The fire-resistant cover provides a minimum 2½-minute of fire resistivity for USCG Type A Service.

Construction

> Tube

Black Chemivac synthetic rubber

> Cover

Nitrile synthetic rubber

> Reinforcement

Polyester spiral with nylon barrier

Temperature Range

-20°F to 180°F (-29°C to 82°C)

Packaging

Reels

Branding

Example: Flexshield™ 5412 3/8" SAE J1527 USCG Type A1-15 / ISO 7840-A1 CE Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Contact a ContiTech representative for special production run minimum requirements and private label options.

Order Codes

1/4" - 475-412-008
 5/16" - 475-412-010
 3/8" - 475-412-012
 1/2" - 475-412-016

Flexshield™ SAE J1527 Type A1-15

| SAP # | ID | Nom. OD | | Weight | | Min. Burst | | |
|----------|------|---------|------|--------|------|------------|-----|------|
| | | in. | mm | in. | mm | psi | bar | |
| 20464766 | 1/4 | 5.95 | 0.63 | 15.92 | 0.15 | 0.23 | 250 | 17.2 |
| 20464768 | 5/16 | 7.54 | 0.66 | 16.71 | 0.16 | 0.24 | 250 | 17.2 |
| 20464769 | 3/8 | 9.12 | 0.73 | 18.41 | 0.20 | 0.30 | 250 | 17.2 |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food
 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Marine Fuel Feed Vent Hose USCG/SAE J1527 Type A2 Fire Retardant



Product Specifications

Application

For fuel feed and vent application on marine pleasure craft.

Construction

> Tube

Black nitrile synthetic rubber ARPM Class A (High Oil Resistance)

> Cover

Gray Chemivic synthetic rubber

> Reinforcement

Spiral synthetic yarn

Temperature Range

0°F to 115°F (-18°C to 46°C)

Packaging

500'-750' reels, maximum 3 pieces, minimum length 35'

Branding (Spiral)

Example: Continental ContiTech USCG/SAE J 1527 Type A2

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

595-022

Marine Fuel Feed Vent Hose Type A2

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|-------|------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| | 1/4 | 6.4 | 0.66 | 16.8 | 35 | 0.24 | 0.19 | 0.28 |
| | 5/16 | 7.9 | 0.72 | 18.3 | 35 | 0.24 | 0.22 | 0.33 |
| | 3/8 | 9.5 | 0.78 | 19.8 | 35 | 0.24 | 0.24 | 0.36 |
| | 1/2 | 12.7 | 0.91 | 23.1 | 35 | 0.24 | 0.30 | 0.45 |
| | 5/8 | 15.9 | 0.96 | 25.8 | 35 | 0.24 | 0.34 | 0.51 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Marine Fuel Feed Vent Hose USCG/SAE J1527 Type B2 Non-Fire Retardant



Product Specifications

Application

For fuel feed and vent application on marine pleasure craft.

Construction

> Tube

Nitrile synthetic rubber (ARPM Class A) (High Oil Resistance)

> Cover

Gray Chemivic synthetic rubber

> Reinforcement

Spiral synthetic yarn

Temperature Range

0°F to 115°F (-18°C to 46°C)

Packaging

500'-750'; maximum 3 pieces, minimum length 35'

Branding

Example: Continental ContiTech USCG/SAE J 1527 Type B2

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

595-009

Marine Fuel Feed Vent Hose Type B2

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| Gray | 1/4 | 6.4 | 0.58 | 14.7 | 34 | 0.23 | 0.12 | 0.18 |
| | 5/16 | 7.9 | 0.66 | 16.8 | 34 | 0.23 | 0.15 | 0.22 |
| 20028805 | 3/8 | 9.5 | 0.70 | 17.8 | 34 | 0.23 | 0.16 | 0.24 |
| | 1/2 | 12.7 | 0.81 | 20.6 | 34 | 0.23 | 0.18 | 0.27 |
| 20028810 | 5/8 | 15.9 | 0.96 | 24.4 | 34 | 0.23 | 0.19 | 0.28 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Abrasives



| | Page | Food Grade | Clear | Static Dissipating/ Static Conductive Tube | Temp. Range | Static Wire | Thermo-plastic | Rubber |
|-----------------------|------|------------|-------|---|-----------------------------------|-------------|----------------|--------|
| Artrac | 138 | | | Yes | -40°F to 158°F (-40°C to 70°C) | | Yes | |
| Arvac SW | 137 | | | | -40°F to 158°F (-40°C to 70°C) | Yes | Yes | |
| Blucor | 135 | | | Yes* | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Blucor Couplings | 136 | | | | | | | |
| Diversiflex | 139 | | | Yes* | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Diversipipe 75 | 140 | | | Yes* | -40°F to 180°F (-40°C to 82°C) | | | Yes |
| Diversipipe 150 | 141 | | | Yes* | -40°F to 180°F (-40°C to 82°C) | | | Yes |
| Flexible Downspout | 142 | | | | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Plicord Blast | 133 | | | Yes | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Plicord Dredge Sleeve | 144 | | | Yes | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Plicord Hydrovator | 143 | | | Yes | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Plicord RVC | 145 | | | | -20°F to 180°F (-29°C to 82°C) | | | Yes |
| Plicord Sand Suction | 146 | | | Yes | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Plicord XF Blast | 134 | | | Yes | -25°F to 180°F (-32°C to 82°C) | | | Yes |
| Sandblast Deadman | 132 | | | | -20°F to 190°F (-29°C to 88°C) | | | Yes |
| Spiraflex Air Seeder | 147 | | Yes | | 0°F to 158°F (-18°C to 70°C) | | | |
| Spirathane HD | 148 | | | | 0°F to 158°F (-18°C to 70°C) | | Yes | |
| Spirathane LD | 150 | | Yes | | 0°F to 158°F (-18°C to 70°C) | | Yes | |
| Spirathane PT | 149 | Yes | Yes | | 0°F to 158°F (-18°C to 70°C) | Yes | Yes | |

*Black Chemituf® only.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Sandblast Deadman



Product Specifications

Application

The double-line Sandblast Deadman hose is for use with systems to automatically shut-off of sandblasting equipment at the operator-end of the system. Used in a pneumatic closed-circuit pattern, the Deadman hose is connected to air-actuated shut valves which, in turn, are controlled at all times by the sandblast operator via a "deadman" switch at the nozzle end of the sandblast hose.

Construction

> Tube

Premium-quality EPDM synthetic rubber, ARPM Class C (Limited Oil Resistance)

> Cover

Yellow/yellow, red/blue, red/black, yellow/gray, or blue/blue EPDM, ARPM Class C (Limited Oil Resistance)

> Reinforcement

Spiral-plied synthetic yarn

Temperature Range

-20°F to 190°F (-29°C to 88°C)

Packaging

450'-750' reels, maximum 2 pieces, minimum length 25'

Branding

Continuous brand 3/16" ID (4.8 mm) Sandblast Deadman Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

- 569-595 (yellow/yellow)
- 569-616 (red/blue)
- 569-676 (red/black)
- 569-696 (yellow/gray)
- 569-628 (blue/blue)

Sandblast Deadman

| SAP # | ID | | | | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------------|---------------|------------|--------------|------------|---------|------|---------|-----|--------|------|---------|
| | Yellow/ Yellow | Black/ Yellow | Red/ Black | Yellow/ Gray | Blue/ Blue | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20027303 | 20266436 | 20709610 | 20646905 | 20658279 | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.14 | 0.21 |

Hose design ratio (burst pressure) 4:1.

- Air & Multipurpose**
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food**
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum**
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water**
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Plicord® Blast



Product Specifications

Application

Plicord® Blast is a heavy-duty hose for steel shot or sand blasting in cleaning or finishing metal, stone, glass or other surfaces.

Construction

> Tube

Chemituf® synthetic rubber (static dissipating/static conductive)

> Cover

2-ply: Black SBR synthetic rubber (wrapped impression)

4-ply: Green SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Blast 150 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

See below.

Plicord® Blast (2-Ply)

Order Codes: 549-020, Survivor® 549-805

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|--------------------|-----|------|---------|------|---------|------|---------|------|
| Black | Survivor® Compound | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018947 | 20673581 | 1/2 | 12.7 | 1.13 | 28.7 | 150 | 1.03 | 0.41 | 0.61 |
| 20018954 | 20673582 | 3/4 | 19.1 | 1.48 | 37.6 | 150 | 1.03 | 0.68 | 1.01 |
| 20018963 | 20673583 | 1 | 25.4 | 1.88 | 47.8 | 150 | 1.03 | 1.05 | 1.56 |
| 20018972 | 20673584 | 1¼ | 31.8 | 2.16 | 54.9 | 150 | 1.03 | 1.26 | 1.88 |
| 20018982 | 20673585 | 1½ | 38.1 | 2.38 | 60.5 | 150 | 1.03 | 1.42 | 2.11 |
| 20018993 | 20677610 | 2 | 50.8 | 2.86 | 72.6 | 150 | 1.03 | 1.70 | 2.53 |

Plicord® Blast (4-Ply)

Order Codes: 549-027

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|--|-----|------|---------|------|---------|------|---------|------|
| Green | | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20031672 | | 1/2 | 12.7 | 1.14 | 26.7 | 150 | 1.03 | 0.44 | 0.61 |
| 20019031 | | 3/4 | 19.1 | 1.50 | 38.1 | 150 | 1.03 | 0.71 | 1.06 |
| 20019033 | | 1 | 25.4 | 1.88 | 47.8 | 150 | 1.03 | 1.08 | 1.61 |
| 20019037 | | 1¼ | 31.8 | 2.16 | 54.9 | 150 | 1.03 | 1.31 | 1.95 |
| 20019040 | | 1½ | 38.1 | 2.38 | 60.5 | 150 | 1.03 | 1.45 | 2.16 |
| 20019043 | | 2 | 50.8 | 2.88 | 73.2 | 150 | 1.03 | 1.75 | 2.60 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® XF Blast



Product Specifications

Application

Plicord® XF Blast is a standard-duty hose for steel shot or sand blasting in cleaning or finishing metal, stone, glass or other surfaces.

Construction

> Tube

Chemituf® synthetic rubber (static dissipating/static conductive)

> Cover

Black SBR synthetic rubber (static dissipating/static conductive) (wrapped impression)

> Reinforcement

Spiral-plyed synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® XF Blast 150 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-018 (black 2-ply)

549-019 (black 4-ply)

Plicord® XF Blast (2-Ply)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018907 | 5/8 | 15.9 | 1.13 | 28.7 | 150 | 1.03 | 0.37 | 0.55 |
| 20018911 | 7/8 | 22.2 | 1.51 | 38.4 | 150 | 1.03 | 0.61 | 0.91 |
| 20018913 | 1 1/8 | 28.6 | 1.88 | 47.8 | 150 | 1.03 | 0.92 | 1.37 |
| 20018916 | 1 3/8 | 34.9 | 2.15 | 54.6 | 150 | 1.03 | 1.12 | 1.67 |
| 20018920 | 1 5/8 | 41.3 | 2.38 | 60.5 | 150 | 1.03 | 1.21 | 1.80 |
| 20018924 | 2 1/8 | 54.0 | 2.89 | 73.4 | 150 | 1.03 | 1.53 | 2.28 |

Plicord® XF Blast (4-Ply)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018925 | 5/8 | 15.9 | 1.12 | 28.5 | 150 | 1.03 | 0.35 | 0.52 |
| 20018927 | 7/8 | 22.2 | 1.50 | 38.1 | 150 | 1.03 | 0.71 | 1.06 |
| 20018929 | 1 1/8 | 28.6 | 1.88 | 47.8 | 150 | 1.03 | 0.93 | 1.38 |
| 20018933 | 1 3/8 | 34.9 | 2.16 | 54.9 | 150 | 1.03 | 1.11 | 1.65 |
| 20018938 | 1 5/8 | 41.3 | 2.38 | 60.5 | 150 | 1.03 | 1.23 | 1.83 |
| 20018943 | 2 1/8 | 54.0 | 2.88 | 73.2 | 150 | 1.03 | 1.48 | 2.20 |

Hose design ratio (burst pressure) 4:1.

- Air & Multipurpose
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Blucor™



Product Specifications

Application

Blucor™ material handling hose with the ContiTech 150 psi bolt-on split flange coupling is an easy and economical choice. Blucor™ has the high strength needed to handle pressure or suction service in the transfer of dry bulk, slurry, salt, cement, fertilizers and a limited quantity of oil-based products.

Construction

> Tube

3/8" black Pureten™, 3/8" black Chemituf® (static dissipating/static conductive), or 3/8" tan Pureten™

> Cover

Black corrugated abrasion-resistant SBR (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

3"-8" - Coiled or straight, poly-wrapped
10"-16" - Straight, poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Blucor™ Black Pureten™ Liner

Couplings

Blucor™ bolt-on split flange couplings, see next page.

Non-Stock/Sizes

Maximum shipping length: 3" - 8": 100'; 10", 12" & 16": 50'

Order Codes

541-789 (black Pureten™)
541-458 (tan Pureten™)
541-788 (black Chemituf®)
541-934 (Survivor®)

Blucor™

| SAP # | | | | ID | | Nom. OD | | Max. Bend WP | | Bend Radius | | Vacuum HG | | Weight | |
|---------------|-------------|-----------------|-----------------------|-----|-------|---------|-------|--------------|-----|-------------|-----|-----------|---------|--------|--|
| Black Pureten | Tan Pureten | Black Chemituf® | w/ Survivor® Compound | in. | mm | in. | mm | psi | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20016075 | 20727995 | 20174317 | 20677611 | 3 | 76.2 | 4.39 | 111.5 | 150 | 16 | 406 | 29 | 737 | 4.63 | 6.89 | |
| 20016084 | 20015583 | 20472262 | 20606370 | 4 | 101.6 | 5.25 | 133.4 | 150 | 20 | 508 | 29 | 737 | 5.67 | 8.44 | |
| 20016105 | 20015584 | 20016070 | 20673534 | 6 | 152.4 | 7.37 | 187.2 | 150 | 36 | 914 | 29 | 737 | 9.48 | 14.11 | |
| 20016127 | 20091843 | 20616942 | 20710232 | 8 | 203.2 | 9.44 | 239.8 | 150 | 48 | 1219 | 29 | 737 | 14.20 | 21.13 | |
| 20016144 | 20015585 | 20099997 | 20548906 | 10 | 254.0 | 11.38 | 289.1 | 150 | 60 | 1524 | 29 | 737 | 16.63 | 24.75 | |
| 20032306 | 20015586 | 20050994 | | 12 | 304.8 | 13.81 | 350.8 | 100 | 72 | 1829 | 29 | 737 | 23.40 | 34.82 | |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Blucor™ Couplings

Bolt-On Split Flange Couplings



Product Specifications

Specifications

Each fitting is manufactured of high-tensile 432 aluminum alloy. All flanges are 150 lb. ANSI B16.5. Bolt-on split flange couplings are supplied with necessary mounting hardware (bolts, nuts and washers). Internal configurations of fitting corrugations have been designed specifically to match the corrugation of the Blucor™ hose.

Order Codes

604-189

Blucor™ Couplings

| SAP # | ID | | Nom. OD | | Weight | |
|----------|-----|-------|---------|-------|---------|-------|
| | in. | mm | in. | mm | lb./ft. | kg/m |
| 20021516 | 3 | 76.2 | 7.5 | 190.5 | 3.6 | 5.36 |
| 20021517 | 4 | 101.6 | 9.0 | 228.6 | 4.0 | 5.95 |
| 20021518 | 6 | 152.4 | 11.0 | 279.4 | 8.2 | 12.20 |
| 20021519 | 8 | 203.2 | 13.5 | 342.9 | 14.0 | 20.83 |
| 20021520 | 10 | 254.0 | 16.0 | 406.4 | 25.0 | 37.20 |
| 20021521 | 12 | 304.8 | 19.0 | 482.6 | 30.0 | 44.64 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Arvac™ SW



Product Specifications

Application

Arvac™ SW is a heavy-duty abrasion-resistant suction hose used for a variety of abrasive material-handling applications, including the transfer of sand, gravel, cement, fly ash, glass, metals, plastic pellets, fertilizers, rock salts and slurries. Static wire for static dissipation.

Construction

> Tube

Higher-temperature urethane

> Cover

Static-dissipating thermoplastic alloyed blend of nitrile, polyurethane and PVC

> Reinforcement

Rigid high-density PVC helix

Temperature Range

-40°F to 158°F (-40°C to 70°C)

Packaging

1¼"-6" - 20' lengths, polytube; 100' lengths, coiled and poly-wrapped

8"-10" -20', 40' and 50' lengths, polytube

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Contact ContiTech for special production run minimum requirements.

Order Codes

586-550

Arvac™ SW

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | Vacuum HG | | Bend Radius | | Length | |
|----------|----|---------|-------|---------|----|--------|------|-----------|------|-------------|------|--------|-----|
| | | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m | in. | mm | | in. |
| 20448195 | 1¼ | 31.8 | 1.60 | 40.7 | 45 | 0.31 | 0.35 | 0.52 | 29 | 737 | 3.0 | 76 | 100 |
| 20448194 | 1½ | 38.1 | 1.87 | 47.4 | 40 | 0.28 | 0.39 | 0.58 | 29 | 737 | 3.0 | 76 | 100 |
| 20448193 | 2 | 50.8 | 2.46 | 62.5 | 40 | 0.28 | 0.67 | 0.99 | 29 | 737 | 2.5 | 63 | 100 |
| 20448192 | 2½ | 63.5 | 3.03 | 77.0 | 35 | 0.24 | 0.90 | 1.33 | 29 | 737 | 4.0 | 101 | 100 |
| 20448191 | 3 | 76.2 | 3.60 | 91.5 | 30 | 0.21 | 1.17 | 1.73 | 29 | 737 | 6.0 | 152 | 100 |
| 20448190 | 4 | 101.6 | 4.74 | 120.5 | 30 | 0.21 | 1.97 | 2.91 | 29 | 737 | 7.0 | 177 | 100 |
| 20447689 | 5 | 127.0 | 5.81 | 147.5 | 30 | 0.21 | 2.58 | 3.82 | 29 | 737 | 8.0 | 203 | 100 |
| 20452698 | 6 | 152.4 | 6.89 | 175.0 | 25 | 0.17 | 3.32 | 4.91 | 29 | 737 | 8.0 | 203 | 20 |
| 20452697 | 6 | 152.4 | 6.89 | 175.0 | 25 | 0.17 | 3.32 | 4.91 | 29 | 737 | 8.0 | 203 | 50 |
| 20447688 | 6 | 152.4 | 6.89 | 175.0 | 25 | 0.17 | 3.32 | 4.91 | 29 | 737 | 8.0 | 203 | 100 |
| 20447687 | 8 | 203.2 | 9.13 | 232.0 | 20 | 0.14 | 5.66 | 8.38 | 29 | 737 | 18.0 | 456 | 20 |
| 20450354 | 8 | 203.2 | 9.13 | 232.0 | 20 | 0.14 | 5.66 | 8.38 | 29 | 737 | 18.0 | 456 | 50 |
| 20447686 | 10 | 254.0 | 11.16 | 283.5 | 20 | 0.14 | 7.86 | 11.63 | 29 | 737 | 36.0 | 912 | 20 |
| 20460651 | 10 | 254.0 | 11.16 | 283.5 | 20 | 0.14 | 7.86 | 11.63 | 29 | 737 | 36.0 | 912 | 40 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Artrac®



Product Specifications

Application

The Artrac® hose is used for a variety of abrasive, material-handling applications to transfer sand, gravel, cement, fly ash, glass, metals, plastic pellets, fertilizers, rock salts and slurries.

Construction

> Tube

Thermoplastic alloyed blend of polyurethane and PVC (static dissipating/static conductive)

> Cover

Thermoplastic alloyed blend of nitrile, polyurethane and PVC (non-conductive) (Available with conductive cover, see order code below.)

> Reinforcement

Rigid high-density PVC helix

Temperature Range

-40°F to 158°F (-40°C to 70°C)

Packaging

1¼"-6" - 100' lengths, coiled and poly-wrapped
8"-10" - 20' lengths, polytube

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Contact customer service

Order Codes

586-462
586-522 (with conductive cover)

Artrac®

| SAP # | ID | Nom. OD | Max. WP | Bend Radius | Vacuum HG | Weight | | | | | | | |
|----------|---------------------|---------|---------|-------------|-----------|--------|------|------|-----|-----|-----|---------|-------|
| Black | w/ Conductive Cover | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013527 | | 1¼ | 31.8 | 1.63 | 41.4 | 45 | 0.31 | 3.0 | 76 | 29 | 737 | 0.34 | 0.51 |
| 20013528 | 20762598 | 1½ | 38.1 | 1.89 | 48.0 | 40 | 0.28 | 3.0 | 76 | 29 | 737 | 0.40 | 0.60 |
| 20013529 | 20762599 | 2 | 50.8 | 2.47 | 62.7 | 40 | 0.28 | 2.5 | 63 | 29 | 737 | 0.67 | 1.00 |
| 20013531 | | 2½ | 63.5 | 3.05 | 77.5 | 35 | 0.24 | 4.0 | 101 | 29 | 737 | 0.87 | 1.29 |
| 20013532 | 20358269 | 3 | 76.2 | 3.69 | 93.7 | 30 | 0.21 | 6.0 | 152 | 29 | 737 | 1.16 | 1.73 |
| 20013535 | 20247316 | 4 | 101.6 | 4.81 | 122.2 | 30 | 0.21 | 7.0 | 177 | 29 | 737 | 2.16 | 3.21 |
| 20013539 | | 5 | 127.0 | 5.78 | 146.8 | 30 | 0.21 | 8.0 | 203 | 29 | 737 | 2.60 | 3.87 |
| 20013545 | 20247315 | 6 | 152.4 | 7.08 | 179.8 | 25 | 0.17 | 8.0 | 203 | 29 | 737 | 3.43 | 5.10 |
| 20013552 | | 8 | 203.2 | 9.22 | 234.2 | 20 | 0.14 | 18.0 | 456 | 29 | 737 | 5.84 | 8.69 |
| 20013554 | | 10 | 254.0 | 11.21 | 284.7 | 20 | 0.14 | 36.0 | 912 | 29 | 737 | 7.96 | 11.85 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Diversiflex™



Product Specifications

Application

Diversiflex™ provides the high strength needed to handle pressure or suction service in the movement of non-oily dry bulk materials such as salt, cement, fertilizers and dry chemicals. Typical applications include unloading hoppers to rail cars or barges and transferring materials from rail cars or barges to storage units.

Construction

> Tube

1/4" Black Chemituf® synthetic rubber for abrasion resistance (static dissipating/static conductive)

> Cover

Abrasion-resistant SBR synthetic rubber (corrugated surface) (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Poly-wrapped

Branding

Example: Continental ContiTech Diversiflex™ Hose 75 psi Max WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Available up to 18" ID

Order Codes

541-400

Diversiflex™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|--------------------------------|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20212864 | 4 | 101.6 | 4.88 | 124.0 | 75 | 0.52 | 20 | 508 | 29 | 737 | 3.43 | 5.10 |
| 20116642 | 5 | 127.0 | 6.25 | 158.5 | 75 | 0.52 | 25 | 635 | 29 | 737 | 6.32 | 9.41 |
| 20325641 | 6 | 152.4 | 6.92 | 175.8 | 75 | 0.52 | 36 | 914 | 29 | 737 | 5.84 | 8.69 |
| 20268121 | 6 ⁵ / ₈ | 168.3 | 7.60 | 193.0 | 75 | 0.52 | 40 | 1016 | 29 | 737 | 7.04 | 10.48 |
| 20015474 | 8 | 203.2 | 9.05 | 229.9 | 75 | 0.52 | 48 | 1219 | 29 | 737 | 9.22 | 13.72 |
| 20031577 | 8 ⁵ / ₈ | 219.2 | 9.69 | 246.1 | 75 | 0.52 | 52 | 1321 | 29 | 737 | 10.82 | 16.10 |
| 20316082 | 10 | 254.0 | 11.04 | 280.4 | 75 | 0.52 | 60 | 1524 | 29 | 737 | 12.04 | 17.92 |
| 20587462 | 12 | 304.8 | 13.16 | 334.3 | 75 | 0.52 | 72 | 1829 | 29 | 737 | 16.38 | 24.38 |
| 20646669 | 12 ³ / ₄ | 323.9 | 13.91 | 353.3 | 75 | 0.52 | 77 | 1956 | 29 | 737 | 17.78 | 26.46 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Diversipipe® 75



Product Specifications

Application

Diversipipe® 75 is a high-quality flexible hose for replacing cast iron pipes for the transfer of abrasive materials or corrosive chemicals where installation requires minimum bends or where the inherent flexibility of a durable rubber hose is required. This hose is also available in a softwall construction for discharge service.

Construction

> Tube
Black Chemituf® synthetic rubber (static dissipating/static conductive) for slurry and dry bulk transfer; black Pureten™ for slurry; tan Pureten™ for slurry with high kinetic energy

> Cover

SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

Poly-wrapped

Branding

Example: Continental ContiTech Plicord® 75 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Available up to 18" ID

Order Codes

Black Chemituf®: 541-047 (1/4" tube gauge)
541-044* (3/8" tube gauge)
541-050* (1/2" tube gauge)
Black Pureten™: 541-731 (1/4" tube gauge)
Tan Pureten™: 541-335 (1/4" tube gauge)
541-353* (3/8" tube gauge)

Diversipipe® 75

| SAP #* | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | | |
|----------|----------|----------|---------|-------|---------|-------|-------------|------|-----------|---------|--------|-------|---------|-------|
| | 1/4" | 3/8" | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20469185 | | 20609650 | 2 | 50.8 | 2.91 | 73.9 | 75 | 0.52 | 12 | 304.80 | 29 | 736.6 | 1.98 | 2.95 |
| 20258672 | | | 2½ | 63.5 | 3.39 | 86.1 | 75 | 0.52 | 15 | 381.00 | 29 | 736.6 | 2.44 | 3.64 |
| 20308540 | | 20015308 | 3 | 76.2 | 3.89 | 98.8 | 75 | 0.52 | 18 | 457.20 | 29 | 736.6 | 2.99 | 4.46 |
| 20269761 | 20613574 | 20015309 | 4 | 101.6 | 4.91 | 124.7 | 75 | 0.52 | 24 | 609.60 | 29 | 736.6 | 3.79 | 5.65 |
| 20014880 | 20320682 | 20015310 | 4½ | 114.3 | 5.50 | 139.7 | 75 | 0.52 | 27 | 685.80 | 29 | 736.6 | 4.74 | 7.06 |
| 20269636 | | | 5 | 127.0 | 6.44 | 163.6 | 75 | 0.52 | 30 | 762.00 | 29 | 736.6 | 5.48 | 8.17 |
| 20421310 | 20015288 | 20015313 | 6 | 152.4 | 7.13 | 181.1 | 75 | 0.52 | 36 | 914.40 | 29 | 736.6 | 7.33 | 10.92 |
| 20268296 | 20015290 | | 6¾ | 168.3 | 7.78 | 197.6 | 75 | 0.52 | 39.7 | 1009.65 | 29 | 736.6 | 8.36 | 12.46 |
| 20472389 | 20015291 | 20015315 | 8 | 203.2 | 9.19 | 233.4 | 75 | 0.52 | 48 | 1219.20 | 29 | 736.6 | 10.48 | 15.62 |
| | | 20731114 | 8¾ | 219.1 | 9.75 | 247.6 | 75 | 0.52 | 51.75 | 1314.45 | 29 | 736.6 | 11.43 | 17.03 |
| 20048941 | | | 10 | 254.0 | 11.23 | 285.2 | 75 | 0.52 | 60 | 1524.00 | 29 | 736.6 | 14.83 | 22.10 |
| 20048942 | 20322091 | | 12 | 304.8 | 13.31 | 338.1 | 75 | 0.52 | 72 | 1828.80 | 29 | 736.6 | 18.16 | 27.06 |

Hose design ratio (burst pressure) 4:1.

3/8" and 1/2" tube gauge specs available upon request. Contact customer service.

*SAP numbers are for the Chemituf® tube. Contact customer service for SAP numbers for black Pureten™ or tan Pureten™.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives

Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Diversipipe® 150



Product Specifications

Application

Diversipipe®150 is a high-quality flexible hose for replacing cast iron pipes for the transfer of abrasive materials or corrosive chemicals where installation requires minimum bends or where the inherent flexibility of a durable rubber hose is required. This hose is also available in a softwall construction for a discharge service.

Construction

> Tube

Black Chemituf® (static dissipating/static conductive) for slurry and dry bulk transfer; black Pureten™ for slurry; tan Pureten™ for slurry with high kinetic energy

> Cover

SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Diversipipe® 150

| SAP #* | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-------|-----|---------|-------|---------|-----|-------------|-----|-----------|-----|--------|---------|-------|
| | (1/4) | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20046633 | 2 | | 50.8 | 2.97 | 75.4 | 150 | 1.03 | 12 | 304.80 | 29 | 736.6 | 2.11 | 3.14 |
| 20221923 | 2½ | | 63.5 | 3.44 | 87.4 | 150 | 1.03 | 15 | 381.00 | 29 | 736.6 | 2.65 | 3.95 |
| 20208953 | 3 | | 76.2 | 3.94 | 100.1 | 150 | 1.03 | 18 | 457.20 | 29 | 736.6 | 3.05 | 4.54 |
| 20269765 | 4 | | 101.6 | 5.00 | 127.0 | 150 | 1.03 | 24 | 609.60 | 29 | 736.6 | 4.10 | 6.11 |
| 20313031 | 4½ | | 114.3 | 5.53 | 140.5 | 150 | 1.03 | 27 | 685.80 | 29 | 736.6 | 4.91 | 7.32 |
| 20543341 | 5 | | 127.0 | 6.09 | 154.7 | 150 | 1.03 | 30 | 762.00 | 29 | 736.6 | 6.01 | 8.95 |
| 20015335 | 6 | | 152.4 | 7.22 | 183.4 | 150 | 1.03 | 36 | 914.40 | 29 | 736.6 | 8.13 | 12.11 |
| 20556882 | 6⅝ | | 168.3 | 7.84 | 199.1 | 150 | 1.03 | 40 | 1016.00 | 29 | 736.6 | 9.34 | 13.92 |
| 20686385 | 8 | | 203.2 | 9.06 | 230.1 | 150 | 1.03 | 48 | 1219.20 | 29 | 736.6 | 11.51 | 17.15 |
| 20415228 | 8⅝ | | 219.1 | 10.03 | 254.8 | 150 | 1.03 | 52 | 1320.80 | 29 | 736.6 | 14.35 | 21.38 |
| 20100181 | 10 | | 254.0 | 11.38 | 289.1 | 150 | 1.03 | 60 | 1524.00 | 29 | 736.6 | 16.40 | 24.44 |
| 20290866 | 12 | | 304.8 | 13.47 | 342.1 | 150 | 1.03 | 72 | 1828.80 | 29 | 736.6 | 19.83 | 29.55 |

Hose design ratio (burst pressure) 4:1.

3/8" and 1/2" tube gauge specs available upon request. Contact customer service.

*SAP numbers are for the Chemituf® tube. Contact customer service for SAP numbers for black Pureten™ or tan Pureten™.

Packaging

Poly-wrapped

Branding

Example: Continental ContiTech Plicord® Material Handling Hose 150 psi Max WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Available up to 18" ID

Order Codes

Black Chemituf®: 541-362 (1/4" tube gauge)
541-364* (3/8" tube gauge)
541-360* (1/2" tube gauge)
Black Pureten™: 541-372 (1/4" tube gauge)
541-350* (3/8" tube gauge)
541-369* (1/2" tube gauge)
Tan Pureten™: 541-380 (1/4" tube gauge)
541-366* (3/8" tube gauge)
541-373* (1/2" tube gauge)

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexible Downspout



Product Specifications

Application

Flexible Downspout is an economical choice for gravity flow service. Install only in a vertical position.

Construction

> Tube

1/8" black Chemituf® synthetic rubber for abrasion resistance (static dissipating/static conductive)

> Cover

Black SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Poly-wrapped

Branding

Example: Continental ContiTech Flexible Downspout

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Available up to 18" ID

Order Codes

541-015

Flexible Downspout

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|-----|---------|-------|---------|-----|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20014797 | 4 | 101.6 | 4.41 | 111.9 | 50 | 0.34 | 1.28 | 1.89 |
| 20014798 | 4½ | 114.3 | 4.90 | 124.5 | 50 | 0.34 | 1.46 | 2.17 |
| 20014801 | 6 | 152.4 | 6.40 | 162.6 | 35 | 0.24 | 1.92 | 2.86 |
| 20014804 | 6⅝ | 168.3 | 7.02 | 178.3 | 35 | 0.24 | 2.11 | 3.14 |
| 20014808 | 8 | 203.2 | 8.40 | 213.4 | 25 | 0.17 | 2.54 | 3.78 |
| 20014809 | 8⅝ | 219.1 | 8.99 | 228.4 | 25 | 0.17 | 2.72 | 4.05 |
| 20014810 | 10 | 254.0 | 10.38 | 263.7 | 20 | 0.14 | 3.15 | 4.69 |
| 20025244 | 10¾ | 273.1 | 11.23 | 285.2 | 20 | 0.14 | 3.84 | 5.71 |
| 20014811 | 12 | 304.8 | 12.46 | 316.5 | 15 | 0.10 | 4.28 | 6.37 |
| 20014812 | 12¾ | 323.9 | 13.21 | 335.5 | 15 | 0.10 | 4.54 | 6.76 |
| 20014813 | 14 | 355.6 | 14.56 | 369.9 | 15 | 0.10 | 4.91 | 7.32 |
| 20014816 | 16 | 406.4 | 16.53 | 419.9 | 10 | 0.07 | 5.59 | 8.33 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Hydrovator™



Product Specifications

Application

A rugged yet lightweight hose designed exclusively for Hydrovac operations, the Plicord® Hydrovator™ from combines the best in lightweight design and durability. The Chemituf® tube handles the toughest hydro excavation jobs, and the unique corrugated SBR cover provides superior flexibility in all applications. All sizes of Plicord® Hydrovator™ are rated for full vacuum.

Construction

> Tube

Black natural rubber combined with a static dissipating Chemituf® liner

> Cover

Static dissipating black SBR synthetic rubber with a heavy corrugated profile for high flexibility

> Reinforcement

Double helix spiral steel wire with plies of synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Coiled or straight lengths

Branding

Example: Continental Contitech Plicord® Hydrovator™ Vacuum Hose Made in Canada

Couplings

Plain end, soft end or enlarged soft end

Non-Stock/Sizes

Built to length

Order Codes

541-289

Plicord® Hydrovator™

| SAP # | ID | | Nom. OD | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m |
| 20435817 | 6 | 152.4 | 6.91 | 175.4 | 12 | 305 | 29 | 737 | 6.40 | 2.86 |
| 20435818 | 8 | 203.4 | 8.91 | 226.5 | 16 | 406 | 29 | 737 | 8.40 | 3.78 |
| 20435850 | 10 | 254.0 | 10.96 | 281.9 | 20 | 508 | 29 | 737 | 11.8 | 4.69 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Dredge Sleeve



Product Specifications

Application

The Plicord® Dredge Sleeve is used as a flexible connection between pipe sections on the discharge line of hydraulic-type dredges.

Construction

> Tube

3/8" Chemituf® abrasion-resistant rubber (static dissipating/static conductive). Other gauges available upon request.

> Cover

Black SBR synthetic rubber (wrapped impression)

> Reinforcement

Multiple-ply spiral synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Poly-wrapped

Branding

Example: Continental ContiTech Plicord® Dredge Sleeve

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-107

Available upon request:

541-290 (1/2" Chemituf® 150 psi)

541-177 (1/2" black Pureten™ 150 psi)

541-081 (3/4" Chemituf® 150 psi)

541-316 (3/4" black Pureten™ 150 psi)

Plicord® Dredge Sleeve

| SAP # | Chemituf® | | Black Pureten™ | | Nom. OD | | Max. WP | | Bend Radius | | Weight | | | |
|----------|-----------|----------|----------------|----------|--------------------------------|-------|---------|-------|-------------|------|--------|------|---------|-------|
| | (1/2) | (3/4) | (1/2) | (3/4) | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20014987 | 20276210 | | | 20286716 | 6 ⁵ / ₈ | 168.3 | 8.22 | 208.8 | 75 | 0.52 | 60 | 1524 | 9.77 | 14.54 |
| 20014993 | 20015204 | | 20222676 | 20217385 | 8 ⁵ / ₈ | 219.1 | 10.31 | 261.9 | 75 | 0.52 | 80 | 2032 | 13.59 | 20.22 |
| 20014999 | 20015209 | 20156102 | 20147951 | 20143628 | 10 ³ / ₄ | 273.1 | 12.50 | 317.5 | 75 | 0.52 | 100 | 2540 | 16.72 | 24.88 |
| 20169040 | 20015213 | 20149436 | 20148851 | 20139966 | 12 ³ / ₄ | 323.9 | 14.53 | 369.1 | 75 | 0.52 | 120 | 3048 | 20.04 | 29.82 |
| 20229635 | 20015217 | 20157129 | | 20139943 | 14 | 355.6 | 15.89 | 403.6 | 75 | 0.52 | 140 | 3556 | 22.65 | 33.71 |
| 20099933 | 20015221 | 20659873 | 20346340 | 20276774 | 16 | 406.4 | 17.84 | 453.1 | 75 | 0.52 | 160 | 4064 | 24.91 | 37.07 |
| 20115098 | 20032603 | 20264965 | | 20333400 | 18 | 457.2 | 19.94 | 506.5 | 75 | 0.52 | 180 | 4572 | 27.80 | 41.37 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

Abrasives

- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® RVC



Product Specifications

Application

Plicord® RVC is for use on reverse drilling rigs.

Construction

> Tube

Black Chemituf® synthetic rubber: 1/4" Gauge-2"-4" I.D.;
1/2" Gauge-6"; 3/8" Gauge-8"

> Cover

Blue SBR synthetic rubber with orange spiral transfer brand
(wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric: 2" and 3" ID-6 plies; 4" and 6" ID-8
plies; 8" ID-10 plies

Temperature Range

-20°F to 180°F (-29°C to 82°C)

Packaging

2"-4", 100' lengths, coiled and poly-wrapped
6"-8", 50' lengths, shipped straight, poly-wrapped over 6"
Custom lengths up to 100'

Branding (Spiral)

Example: Continental ContiTech Reverse Circulation
600 psi Max WP Made in Canada

Couplings

Contact fitting manufacturer for proper fitting
recommendation and coupling procedure.

Non-Stock/Sizes

Custom lengths available.

Order Codes

541-341 (6" and 8")
549-341 (2"-4")

Plicord® RVC

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|-------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019560 | 2 | 50.8 | 3.11 | 79.0 | 600 | 4.14 | 2.37 | 3.53 |
| 20019565 | 3 | 76.2 | 4.17 | 105.9 | 600 | 4.14 | 3.39 | 5.04 |
| 20019567 | 4 | 101.6 | 5.39 | 136.9 | 600 | 4.14 | 5.15 | 7.66 |
| 20015297 | 6 | 152.4 | 7.91 | 200.9 | 500 | 3.45 | 10.66 | 15.86 |
| 20324189 | 8 | 203.2 | 9.88 | 251.0 | 500 | 3.45 | 13.56 | 20.18 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

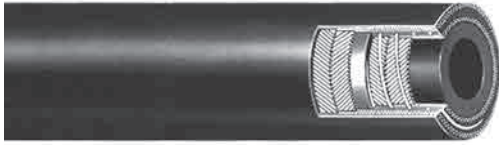
Welding

Coupling Systems

Equipment

Appendix

Plicord® Sand Suction



Product Specifications

Application

Plicord® Sand Suction hose is for use on the suction end of hydraulic dredges. It provides a flexible connection between dredging lines and pumps.

Construction

> Tube

3/8" Black Chemituf® synthetic rubber for abrasion resistance (static dissipating/static conductive). Also available in 1/2" or 3/4" tube gauge

> Cover

Black SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Custom lengths, poly-wrapped

Branding

Example: Continental ContiTech Style M Sand Suction

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Custom lengths available.

Order Codes

541-267 (3/8")

541-268 (3/4")

541-265 (1/2")

Plicord® Sand Suction

| SAP # | ID | | | Nom. OD | | Bend Radius | | Vacuum HG | | Weight | | | |
|----------|----------|----------|--------|--------------------------------|-------|-------------|-------|-----------|------|---------|------|-------|-------|
| | (3/8") | (3/4") | (1/2") | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | | |
| 20371749 | 20015144 | | | 4 | 101.6 | 5.31 | 134.9 | 40 | 1016 | 30 | 762 | 5.71 | 8.50 |
| 20029485 | 20015145 | | | 5 | 127.0 | 6.98 | 177.3 | 46 | 1168 | 30 | 762 | 9.47 | 14.09 |
| 20207629 | | 20113822 | | 6 | 152.4 | 7.54 | 191.5 | 52 | 1321 | 30 | 762 | 11.35 | 16.89 |
| 20176213 | | | | 6 ⁵ / ₈ | 168.3 | 8.20 | 208.3 | 55 | 1397 | 30 | 762 | 13.96 | 20.77 |
| 20219625 | 20015150 | | | 8 | 203.2 | 9.63 | 244.6 | 62 | 1575 | 30 | 762 | 16.93 | 25.19 |
| 20291577 | | 20150200 | | 8 ⁵ / ₈ | 219.1 | 10.25 | 260.4 | 68 | 1727 | 30 | 762 | 17.85 | 26.56 |
| 20418594 | 20015155 | | | 10 | 254.0 | 11.81 | 300.0 | 76 | 1930 | 30 | 762 | 23.94 | 35.63 |
| 20015186 | | 20015160 | | 10 ³ / ₄ | 273.1 | 12.63 | 320.8 | 82 | 2083 | 30 | 762 | 25.68 | 38.22 |
| 20221702 | 20015164 | | | 12 | 304.8 | 13.91 | 353.3 | 91 | 2311 | 30 | 762 | 28.95 | 43.08 |
| 20015191 | 20174216 | 20015171 | | 12 ³ / ₄ | 323.9 | 14.59 | 370.6 | 94 | 2388 | 30 | 762 | 29.98 | 44.61 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Air Seeder Hose



Product Specifications

Application

For dry conveying of seeds and other materials where abrasion is present and service conditions are moderate. Excellent for low-pressure blowing applications.

Construction

> Tube

Clear thermoplastic urethane

> Cover

Clear flexible vinyl

> Reinforcement

White rigid vinyl helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

Coil-wrapped with cardboard and stretch film

Branding

Date code only

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-450

Spiraflex® Air Seeder

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013448 | 1 | 25.4 | 1.25 | 32.0 | 60 | 0.41 | 3 | 76.19 | 29 | 737 | .20 | 0.29 |
| 20013450 | 1½ | 38.1 | 1.82 | 46.2 | 50 | 0.34 | 4 | 101.6 | 29 | 737 | .32 | 0.48 |
| 20013451 | 2 | 50.8 | 2.37 | 60.4 | 40 | 0.27 | 5 | 127.0 | 29 | 737 | .42 | 0.63 |
| 20013452 | 2½ | 63.5 | 2.87 | 72.9 | 40 | 0.27 | 7 | 177.8 | 29 | 737 | .65 | 0.99 |
| 20013453 | 3 | 76.2 | 3.42 | 86.8 | 35 | 0.24 | 8 | 203.2 | 29 | 737 | .89 | 1.33 |
| 20013454 | 4 | 101.6 | 4.50 | 114.4 | 27 | 0.18 | 11 | 279.4 | 29 | 737 | .99 | 1.48 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spirathane™ HD



Product Specifications

Application

Spirathane™ HD is for dry pneumatic conveying of solids where heavy-duty abrasive conditions are present. Sizes 1½"-5" are rated to full vacuum.

Construction

> Tube

Polyurethane, ARPM Class B (Medium Oil Resistance) with improved abrasion resistance

> Cover

High-density, low-temperature Pliovic® compound

> Reinforcement

High-density, rigid Pliovic® PVC helix

Packaging

1½"-6" - 100' lengths, coiled and poly-wrapped
8"-10" - 20' lengths, polytube with corrugated protection

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-407

Temperature Range

0°F to 158°F (-18°C to 70°C)

Spirathane™ HD

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|-------|---------|----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20013134 | 1½ | 38.1 | 1.86 | 47.2 | 50 | 0.34 | 4 | 99 | 29 | 737 | 0.34 | 0.51 |
| 20013137 | 2 | 50.8 | 2.47 | 62.7 | 50 | 0.34 | 6 | 140 | 29 | 737 | 0.63 | 0.94 |
| 20013138 | 2½ | 63.5 | 3.12 | 79.3 | 50 | 0.34 | 7 | 178 | 29 | 737 | 0.95 | 1.41 |
| 20013141 | 3 | 76.2 | 3.64 | 92.5 | 40 | 0.28 | 8 | 203 | 29 | 737 | 1.37 | 2.04 |
| 20013144 | 4 | 101.6 | 4.77 | 121.2 | 35 | 0.24 | 14 | 356 | 29 | 737 | 1.98 | 2.95 |
| 20013146 | 5 | 127.0 | 5.83 | 148.1 | 30 | 0.21 | 20 | 508 | 29 | 737 | 2.41 | 3.59 |
| 20013149 | 6 | 152.4 | 6.84 | 173.7 | 23 | 0.16 | 25 | 635 | 25 | 635 | 3.08 | 4.58 |
| 20013150 | 8 | 203.2 | 8.75 | 222.3 | 20 | 0.14 | 48 | 1219 | 25 | 635 | 4.53 | 6.74 |
| 20013151 | 10 | 254.0 | 10.96 | 278.4 | 20 | 0.14 | 75 | 1905 | 25 | 635 | 6.36 | 9.46 |

Hose design ratio (burst pressure) 3:1.

- Air & Multipurpose
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
- Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water
 - Discharge
- Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Spirathane™ PT



Product Specifications

Application

Spirathane™ PT is for the transfer of a variety of dry, bulk and abrasive materials. It is used in applications where static electrical buildup is common. This hose can be used for powders, plastic pellets and granular materials.

Construction

> Tube

Polyurethane conforms to FDA standards

> Cover

High molecular weight, clear PVC, corrugated for flexibility

> Reinforcement

High-density, rigid Pliovic® PVC helix with static wire placed between the tube and cover

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-489

Spirathane™ PT

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013682 | 1½ | 38.1 | 1.82 | 46.2 | 45 | 0.31 | 4 | 102 | 29 | 737 | 0.31 | 0.46 |
| 20013683 | 1¾ | 44.5 | 2.15 | 54.6 | 45 | 0.31 | 5 | 127 | 29 | 737 | 0.38 | 0.57 |
| 20013684 | 2 | 50.8 | 2.38 | 60.5 | 30 | 0.21 | 6 | 152 | 29 | 737 | 0.52 | 0.77 |
| 20013685 | 2¼ | 57.2 | 2.77 | 70.4 | 35 | 0.24 | 7 | 165 | 29 | 737 | 0.63 | 0.94 |
| 20013686 | 2½ | 63.5 | 3.03 | 77.0 | 30 | 0.21 | 7 | 178 | 29 | 737 | 0.69 | 1.03 |
| 20013687 | 3 | 76.2 | 3.63 | 92.2 | 30 | 0.21 | 8 | 203 | 29 | 737 | 1.15 | 1.71 |
| 20013688 | 4 | 101.6 | 4.76 | 120.9 | 27 | 0.19 | 14 | 356 | 29 | 737 | 1.63 | 2.43 |
| 20046048 | 5 | 127.0 | 5.83 | 148.1 | 27 | 0.19 | 20 | 508 | 29 | 737 | 2.13 | 3.17 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spirathane™ LD



Product Specifications

Application

For dry pneumatic conveying of solid fines where abrasion is present and service conditions are moderate. Excellent for low-pressure blowing applications.

Construction

> Tube

Clear Polyurethane, ARPM Class B (Medium Oil Resistance)

> Reinforcement

High-density rigid white Pliovic® helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

1½'-6" - 100' lengths, coiled and poly-wrapped
8"-10" - 20' lengths, poly-wrapped with corrugated protection

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-406

Spirathane™ LD

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20013121 | 1½ | 38.1 | 1.84 | 46.7 | 30 | 0.21 | 2 | 51 | 22 | 559 | 0.25 | 0.37 |
| 20013123 | 2 | 50.8 | 2.35 | 59.7 | 25 | 0.17 | 3 | 71 | 21 | 533 | 0.34 | 0.51 |
| 20013124 | 2½ | 63.5 | 2.89 | 73.4 | 20 | 0.14 | 4 | 89 | 19 | 483 | 0.44 | 0.65 |
| 20013125 | 3 | 76.2 | 3.45 | 87.6 | 20 | 0.14 | 4 | 102 | 18 | 457 | 0.60 | 0.89 |
| 20013127 | 4 | 101.6 | 4.53 | 115.1 | 15 | 0.10 | 7 | 178 | 13 | 330 | 0.88 | 1.31 |
| 20013128 | 5 | 127.0 | 5.56 | 141.2 | 10 | 0.07 | 8 | 203 | 10 | 254 | 1.09 | 1.62 |
| 20013130 | 6 | 152.4 | 6.57 | 166.9 | 10 | 0.07 | 12 | 305 | 7 | 178 | 1.53 | 2.28 |
| 20013131 | 8 | 203.2 | 8.59 | 218.2 | 6 | 0.04 | 23 | 584 | 5 | 127 | 1.73 | 2.57 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Bulk Transfer



| | Page | Food Grade | Static Dissipating/ Static Conductive Tube | Temp. Range | Suction | Discharge Only |
|----------------------------------|------|------------|---|------------------------------------|---------|----------------|
| Black Softwall | 153 | | Yes | -25°F to 180°F (-32°C to 82°C) | | Yes |
| Flextra Dry Material | 152 | | Yes | -40°F to 180°F (-40°C to 82°C) | Yes | |
| Plicord Torridair Hot Air Blower | 154 | | | -40°F to 400°F (-40°C to 205°C) | Yes | |
| Pyroflex II Hot Air | 155 | | | -20°F to 325°F (-29°C to 163°C) | Yes | |
| Pyroflex III Hot Air | 156 | Yes | | -20°F to 325°F (-29°C to 163°C) | Yes | |
| Spiraflex Mulch Blower | 157 | | | 0°F to 158°F (-18°C to 70°C) | Yes | |
| Tan Flextra | 159 | Yes | | -40°F to 180°F (-40°C to 82°C) | Yes | |
| Tan Flexwing | 158 | Yes | | -40°F to 180°F (-40°C to 82°C) | Yes | |
| Tan Softwall | 160 | Yes | | -40°F to 180°F (-40°C to 82°C) | | Yes |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Flextra® Dry Material



Product Specifications

Application

Flextra® Dry Material is a static dissipating/static conductive hose for tank truck and in-plant service. This hose is used to convey non-oily abrasive materials such as sand, limestone and plastic pellets. It is recommended where static buildup can be a problem.

Construction

> Tube

3/16" gauge black Chemituf® synthetic rubber (static dissipating/static conductive)

> Cover

Black SBR synthetic rubber (corrugated) with yellow spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Flextra® Dry Material 75 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-126

Flextra® Dry Material

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20421726 | 1½ | 38.1 | 2.11 | 53.6 | 75 | 0.52 | 4 | 89 | 29 | 737 | 1.03 | 1.53 |
| 20019229 | 2 | 50.8 | 2.63 | 66.8 | 75 | 0.52 | 4 | 102 | 29 | 737 | 1.29 | 1.92 |
| 20019230 | 3 | 76.2 | 3.69 | 93.7 | 75 | 0.52 | 6 | 152 | 29 | 737 | 2.15 | 3.20 |
| 20019233 | 4 | 101.6 | 4.75 | 120.7 | 75 | 0.52 | 9 | 229 | 29 | 737 | 3.09 | 4.60 |
| 20019234 | 5 | 127.0 | 5.78 | 146.9 | 75 | 0.52 | 20 | 500 | 29 | 737 | 4.16 | 6.20 |
| 20019235 | 6 | 152.4 | 6.81 | 173.1 | 75 | 0.52 | 24 | 600 | 29 | 737 | 5.47 | 8.15 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Black Softwall



Product Specifications

Application

For the discharge of dry bulk cement from tank truck and in-plant service.

Construction

> Tube

1/8" (static dissipating/static conductive) Black Chemituf® synthetic rubber. Available in 1/8", 3/16" and 1/4" tube gauges

> Cover

Black SBR synthetic rubber with white spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Black Softwall

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog.

Order Codes

549-152 (1/8" tube gauge 50 psi)
549-149 (3/16" tube gauge 75 psi)
549-148 (1/4" tube gauge 50 psi)

Black Softwall

Order Codes: 549-152

| SAP # | | Dia. | ID | OD | Weight |
|----------|-------------------|------|-------|-------|--------|
| (1/8") | Survivor Compound | PO | mm | mm | #/ft. |
| 20019306 | | 3 | 76.1 | 86.3 | 1.05 |
| 20019309 | 20665783 | 4 | 102.1 | 112.3 | 1.38 |
| 20046192 | | 4½ | 114.6 | 125.4 | 1.64 |
| 20019315 | 20677559 | 5 | 127.4 | 138.2 | 1.82 |
| 20019319 | | 6 | 152.7 | 163.9 | 2.25 |

Black Softwall

Order Codes: 549-149

| SAP # | | Dia. | ID | OD | Weight |
|----------|-------------------|------|-------|-------|--------|
| (3/16") | Survivor Compound | PO | mm | mm | #/ft. |
| 20019281 | 20673663 | 4 | 102.1 | 116.2 | 1.92 |
| 20029627 | | 4½ | 114.6 | 129.0 | 2.21 |
| 20109496 | | 5 | 127.4 | 141.8 | 2.44 |
| 20468267 | | 5½ | 140.1 | 154.5 | 2.67 |
| 20446687 | | 6 | 152.7 | 167.7 | 3.01 |

Black Softwall

Order Codes: 549-148

| SAP # | | Dia. | ID | OD | Weight |
|----------|-------------------|------|-------|-------|--------|
| (1/4") | Survivor Compound | PO | mm | mm | #/ft. |
| 20019277 | 20639327 | 4 | 102.1 | 118.7 | 2.29 |
| 20311113 | | 4½ | 114.6 | 131.8 | 2.65 |
| 20019279 | | 5 | 127.4 | 145.0 | 3.00 |
| 20019280 | | 6 | 152.7 | 170.3 | 3.56 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Plicord® Torridair™ Hot Air Blower



Product Specifications

Application

This hose is designed to transfer hot, non-oily air, up to 400°F (204°C), from manifold blowers or in-plant compressors to holding tanks used in the transfer of dry bulk materials.

Construction

> Tube

Black, STF (Super Thermo-Flo) EPDM synthetic rubber

> Cover

Black, weather-resistant, STF (Super Thermo-Flo) EPDM synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 400°F (-40°C to 204°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Torridair™ Blower Hose 400°F (204°C)

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of the catalog.

Order Codes

549-856

Plicord® Torridair™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20020255 | 2 | 50.8 | 2.51 | 63.8 | 100 | 0.69 | 5 | 127 | 29 | 737 | 1.06 | 1.58 |
| 20020257 | 2½ | 63.5 | 3.00 | 76.2 | 100 | 0.69 | 6 | 152 | 29 | 737 | 1.35 | 2.01 |
| 20020260 | 3 | 76.2 | 3.53 | 89.7 | 100 | 0.69 | 7 | 178 | 29 | 737 | 1.84 | 2.74 |
| 20020261 | 4 | 101.6 | 4.60 | 116.8 | 100 | 0.69 | 16 | 400 | 29 | 737 | 2.47 | 3.68 |
| 20130428 | 6 | 152.4 | 6.70 | 170.0 | 100 | 0.69 | 30 | 750 | 29 | 737 | 4.46 | 6.65 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Pyroflex® II Hot Air



Product Specifications

Application

Pyroflex® II Hot Air is for conveying hot air from compressors to tanks on bulk dry material carriers.

Construction

> Tube

Black heat-resistant EPDM synthetic rubber

> Cover

Heat-resistant black EPDM synthetic rubber with orange spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-20°F to 325°F (-29°C to 163°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Pyroflex® II Hot Air

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of the catalog.

Order Codes

549-394

Pyroflex® II Hot Air

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20019669 | 2 | 50.8 | 2.55 | 64.8 | 100 | 0.69 | 5 | 127 | 29 | 737 | 1.22 | 1.82 |
| 20019671 | 3 | 76.2 | 3.55 | 90.2 | 100 | 0.69 | 7 | 178 | 29 | 737 | 1.93 | 2.87 |
| 20019674 | 4 | 101.6 | 4.61 | 117.1 | 100 | 0.69 | 10 | 254 | 29 | 737 | 2.65 | 3.94 |
| 20019675 | 6 | 152.4 | 6.74 | 171.1 | 100 | 0.69 | 30 | 750 | 29 | 737 | 4.80 | 7.15 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Pyroflex® III Hot Air



Product Specifications

Application

Pyroflex® III Hot Air is for conveying hot air with FDA-compliant tubing that can be used in unloading edible materials.

Construction

> Tube

White EPDM – FDA compliant

> Cover

Red Standard EPDM

> Reinforcement

Spiral-plyed synthetic fabric with wire helix

Temperature Range

-20°F to 325°F (-28.8°C to 162.8°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Pyroflex® III Hot Air Blower FDA Compliant Made in Canada

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Use ContiTech Insta-Lock™ cam & groove fittings with this product. Other fitting types contact fitting company.

Non-Stock/Sizes

100' for stock and 400' for MTO

Order Codes

549-952

Pyroflex® III Hot Air

| SAP # | Nom. ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|---------|-------|---------|-------|---------|------|-------------|-------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20762191 | 1½ | 3.81 | 2.04 | 51.7 | 100 | 0.69 | 4 | 101.6 | 29 | 737 | 0.94 | 1.40 |
| 20762192 | 2 | 50.8 | 2.55 | 64.8 | 100 | 0.69 | 5 | 127 | 29 | 737 | 1.24 | 1.85 |
| 20762193 | 2½ | 63.5 | 3.06 | 77.8 | 100 | 0.69 | 6 | 152.4 | 29 | 737 | 1.67 | 2.49 |
| 20762194 | 3 | 76.2 | 3.56 | 90.5 | 100 | 0.69 | 7 | 178 | 29 | 737 | 1.97 | 2.94 |
| 20762195 | 4 | 101.6 | 4.61 | 117.1 | 100 | 0.69 | 10 | 254 | 29 | 737 | 2.72 | 4.05 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

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Appendix

Spiraflex® Mulch Blower



Product Specifications

Application

Spiraflex® Mulch Blower is a high-strength, mulch-blowing hose that's flexible and durable. It provides visible, unrestricted material applications in a buildup and hose balance. This hose can be used to spray mulch, woodchips and other materials for landscaping applications in a wide range of environments.

Construction

> Tube

Clear high molecular weight PVC

> Reinforcement

Yellow rigid PVC helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

100' coils covered with stretch film and cardboard

Branding

Not branded

Stock Sizes

4" and 5"

Order Codes

586-553

Spiraflex® Mulch Blower

| SAP # | ID | | Nom. OD | | Max. WP Bend Radius | | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------------------|-----|-------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013644 | 4 | 101.6 | 5.02 | 127.4 | 15 | 6 | 152.4 | 29 | 737 | 1.05 | 0.15 |
| 20024982 | 5 | 127 | 5.61 | 142.4 | 15 | 9 | 228.6 | 29 | 737 | 1.25 | 0.17 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Tan Flexwing®



Product Specifications

Application

Tan Flexwing® is for acids, alcohol bases and salt solutions.

Construction

> Tube

Tan Pureten™ gum rubber (non oil-resistant)

> Cover

Tan SBR synthetic rubber (non oil-resistant) with blue spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Tan Flexwing® with Pureten™ 150 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

546-068

Tan Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20018549 | 1 | 25.4 | 1.61 | 40.9 | 150 | 1.03 | 3.5 | 89 | 29 | 737 | 0.75 | 1.12 |
| 20050636 | 1½ | 38.1 | 2.14 | 54.4 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 1.08 | 1.61 |
| 20018551 | 2 | 50.8 | 2.68 | 68.1 | 150 | 1.03 | 5.0 | 127 | 29 | 737 | 1.44 | 2.14 |
| 20018555 | 3 | 76.2 | 3.75 | 95.3 | 150 | 1.03 | 7.0 | 178 | 29 | 737 | 2.32 | 3.45 |
| 20018557 | 4 | 101.6 | 4.83 | 122.7 | 150 | 1.03 | 10.0 | 254 | 29 | 737 | 3.39 | 5.04 |
| 20221775 | 6 | 152.4 | 6.96 | 176.8 | 150 | 1.03 | 30.0 | 762 | 29 | 737 | 6.04 | 8.99 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

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Appendix

Tan Flextra® - Material Handling



Product Specifications

Application

For tank truck and in-plant service. Used to convey non-oily abrasive materials such as sand, limestone and plastic pellets.

Construction

> Tube

Pureten™ gum rubber

> Cover

Tan SBR gum rubber (corrugated) with yellow spiral stripe (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

1½'-4" - 100' lengths, coiled and poly-wrapped

5'-6" - 50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Tan Flextra® with Pureten™ 75 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-116

Tan Flextra®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|----|-------------|----|-----------|----|---------|------|------|
| | | in. | mm | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m | |
| 20019210 | 1½ | 38.0 | 2.09 | 53.1 | 75 | 0.52 | 4 | 102 | 29 | 737 | 0.99 | 1.47 |
| 20019212 | 2 | 50.8 | 2.60 | 66.0 | 75 | 0.52 | 4 | 102 | 29 | 737 | 1.21 | 1.80 |
| 20019216 | 3 | 76.2 | 3.63 | 92.2 | 75 | 0.52 | 6 | 152 | 29 | 737 | 1.94 | 2.89 |
| 20019217 | 4 | 101.6 | 4.69 | 119.1 | 75 | 0.52 | 9 | 229 | 29 | 737 | 2.74 | 4.08 |
| 20132671 | 5 | 127.0 | 5.78 | 146.8 | 75 | 0.52 | 12 | 305 | 29 | 737 | 4.26 | 6.34 |
| 20019224 | 6 | 152.4 | 6.78 | 172.2 | 75 | 0.52 | 15 | 381 | 29 | 737 | 4.92 | 7.32 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

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Tan Softwall



Product Specifications

Application

A fabric-reinforced hose for the discharge of non-oily abrasive materials such as sand, limestone, gravel and plastic pellets. For use where static electrical buildup is not a problem.

Construction Tube

Tan Pureten™ gum rubber

> Cover

Tan SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with static wire

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

2"-4" - 100' lengths, coiled and poly-wrapped
5"-6" - 50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Tan Softwall with Pureten™ 75 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

549-040

Tan Softwall

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20045907 | 2 | 50.8 | 2.68 | 68.1 | 75 | 0.52 | 1.22 | 1.82 |
| 20019116 | 3 | 76.2 | 3.69 | 93.7 | 75 | 0.52 | 1.80 | 2.68 |
| 20019118 | 4 | 101.6 | 4.78 | 121.4 | 75 | 0.52 | 2.61 | 3.88 |
| 20019119 | 5 | 127.0 | 5.77 | 146.6 | 75 | 0.52 | 3.19 | 4.75 |
| 20019120 | 6 | 152.4 | 6.77 | 172.0 | 75 | 0.52 | 3.78 | 5.63 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

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Cement & Concrete



| | Page | Textile | Wire |
|--|------|---------|------|
| Allcrete Textile Plaster, Grout & Concrete | 163 | Yes | |
| Allcrete Wire | 164 | | Yes |
| PGC Placement Textile | 165 | Yes | |
| Plicord Auger Arc Piling | 162 | Yes | |
| Plicord Gunite Tan | 166 | Yes | |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Auger Arc Piling



Product Specifications

Application

Plicord® Auger Arc Piling is for use in handling a multitude of materials being pumped to concrete forms and structures.

Construction

> Tube

Black Chemituf®

> Cover

Black SBR with gray abrasion-resistant spiral strip

> Reinforcement

6 fabric plies with boot straps

Temperature Range

-35°F to 180°F (-37°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Auger Arc Piling

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-815

Plicord® Auger Arc Piling

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|-------|---------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20046556 | 2 | 50.8 | 3.03 | 77.0 | 1000 | 6.9 | 1.92 | 2.86 |
| 20032406 | 2½ | 63.5 | 3.48 | 88.4 | 800 | 5.5 | 2.18 | 3.24 |
| 20032476 | 3 | 76.2 | 4.02 | 102.1 | 800 | 5.5 | 2.66 | 3.96 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Allcrete® Textile Plaster, Grout & Concrete



Product Specifications

Application

This hose is for use in plaster and grout and shotcrete applications, handling a multitude of materials being pumped to concrete structures, dams, tunnel faces, swimming pools, etc. It is also for use as a flexible connection between pumping equipment and hard piping. Exceeds ASME B30.27-2009 and has a 2:1 WP to burst ratio.

Construction Tube

Black Chemituf® synthetic rubber

> Cover

Black SBR rubber (wrapped impression)

> Reinforcement

Spiral-plied high-strength fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Allcrete® Textile Ply Plaster Grout and Concrete Continental ContiTech 2" 1233 psi (85 bar) WP. Weight filled with concrete (150 lb./ft.³). Exceeds ASME B30.27-2009.

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-638 (Chemituf®)

549-802 (Survivor®)

Allcrete® Textile

| SAP # | Survivor® Compound | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|---|-----|---------|------|---------|------|--------|---------|------|
| Black | | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019934 | 20677614 | 1 | 25.4 | 1.67 | 42.3 | 1233 | 8.5 | 0.67 | 1.00 |
| 20019938 | | 1¼ | 32.0 | 1.93 | 49.0 | 1233 | 8.5 | 0.80 | 1.19 |
| 20019942 | 20673536 | 1½ | 38.1 | 2.31 | 58.7 | 1233 | 8.5 | 1.14 | 1.70 |
| 20019947 | 20673537 (50 ft.) 20673538 (100 ft.) | 2 | 51.6 | 2.83 | 71.8 | 1233 | 8.5 | 1.46 | 2.18 |
| 20019960 | 20673539 | 2½ | 63.7 | 3.40 | 86.3 | 1233 | 8.5 | 1.96 | 2.92 |
| 20019965 | 20673580 | 3 | 76.1 | 3.92 | 99.6 | 1233 | 8.5 | 2.39 | 3.56 |
| 20019971 | | 4 | 102.1 | 4.96 | 126.0 | 1233 | 8.5 | 3.16 | 4.67 |
| 20164566 | | 5 | 127.0 | 6.06 | 153.3 | 1233 | 8.5 | 4.22 | 6.25 |

Hose design ratio (burst pressure) 2:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Allcrete® Wire



Product Specifications

Application

Allcrete® Wire is for handling wet concrete with high head pressures at the critical flex areas of a concrete boom truck and as a discharge hose on the delivery end of high-pressure concrete pumps. This hose exceeds ASME B30.27-2009 and has a 2:1 WP to burst ratio.

Construction Tube

Black Chemituf® synthetic rubber

> Cover

Black SBR rubber (wrapped impression)

> Reinforcement

Spiral-plied high-strength wire

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Allcrete® Steel Reinforced Concrete Hose Continental ContiTech 3" ID 1233 psi (85 bar) WP. Weight filled with concrete (150lb./ft.³). Exceeds ASME B30.27-2009.

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-670 (Chemituf®)

549-881 (Survivor®)

Allcrete® Wire

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Weight | |
|----------|-----|-------|---------|-------|---------|-----|-------------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20032690 | 2 | 50.8 | 3.01 | 76.4 | 1233 | 8.5 | 9 | 275 | 2.75 | 4.10 |
| 20672114 | 2½ | 63.5 | 3.50 | 88.9 | 1233 | 8.5 | 12 | 300 | 3.28 | 4.92 |
| 20020019 | 3 | 76.2 | 3.98 | 101.3 | 1233 | 8.5 | 14 | 350 | 3.80 | 5.65 |
| 20020022 | 4 | 101.6 | 5.02 | 127.4 | 1233 | 8.5 | 16 | 400 | 4.90 | 7.29 |
| 20020026 | 5 | 127.0 | 6.00 | 152.5 | 1233 | 8.5 | 20 | 500 | 5.98 | 8.90 |

Hose design ratio (burst pressure) 2:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

PGC Placement Textile



Product Specifications

Application

PGC Placement Textile is an economical version of our Plicord® Allcrete® Textile hose. For use in plaster and grout and shotcrete applications, handling a multitude of materials being pumped to concrete structures, dams, tunnel faces, swimming pools, etc. This hose meets ASME B30.27-2009 and has a 2:1 WP to burst ratio.

Construction

> Tube

Black Chemituf® synthetic rubber

> Cover

Black SBR rubber (wrapped impression)

> Reinforcement

Spiral-plied high-strength fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech PGC 1,233 psi (85 bar) WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-822

PGC Placement Textile

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|----|---------|------|---------|------|---------|------|------|
| | | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20560651 | 1 | 25.3 | 1.56 | 39.7 | 1233 | 8.5 | 0.58 | 0.86 |
| 20560652 | 1¼ | 32.0 | 1.88 | 47.7 | 1233 | 8.5 | 0.76 | 1.13 |
| 20528827 | 1½ | 38.0 | 2.13 | 53.7 | 1233 | 8.5 | 0.87 | 1.30 |
| 20528900 | 2 | 51.2 | 2.69 | 67.1 | 1233 | 8.5 | 1.13 | 1.68 |
| 20528902 | 2½ | 63.4 | 3.25 | 82.3 | 1233 | 8.5 | 1.59 | 2.37 |
| 20528904 | 3 | 76.1 | 3.81 | 96.8 | 1233 | 8.5 | 2.12 | 3.16 |
| 20560653 | 3½ | 90.0 | 4.38 | 111.9 | 1233 | 8.5 | 2.63 | 3.92 |
| 20560654 | 4 | 102.0 | 4.94 | 125.6 | 1233 | 8.5 | 3.10 | 4.62 |

Hose design ratio (burst pressure) 2:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

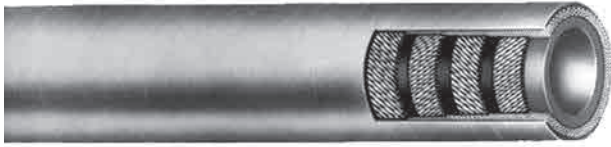
Welding

Coupling Systems

Equipment

Appendix

Plicord® Gunite Tan



Product Specifications

Application

Plicord® Gunite Tan is for the efficient transfer of sand and cement to the placement mixing gun nozzle. This hose is recommended for all types of gunning applications.

Construction

> Tube

Tan Pureten™ gum rubber or black Chemituf® rubber

> Cover

Tan SBR synthetic rubber (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Gunite 150 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-862 (tan Pureten™)

549-863 (black Chemituf®)

549-865 (tan Pureten™ with antistatic wires)

Plicord® Gunite

| SAP # | ID | Nom. OD | Max. WP | Weight | | | | | | |
|------------------------------|------------------------------------|----------|---------|--------|------|------|------|---------|------|------|
| Tan Pureten™ Black Chemituf® | Tan Pureten™ with antistatic wires | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20020272 | | 1¼ | 31.8 | 2.16 | 54.9 | 150 | 1.03 | 1.24 | 1.85 | |
| 20020274 | 20020282 | 20020287 | 1½ | 38.1 | 2.43 | 61.7 | 150 | 1.03 | 1.48 | 2.20 |
| 20020277 | | 20020290 | 1⅝ | 41.3 | 2.58 | 65.5 | 150 | 1.03 | 1.60 | 2.38 |
| 20020278 | | | 1¾ | 44.5 | 2.70 | 68.6 | 150 | 1.03 | 1.68 | 2.50 |
| 20020279 | 20020283 | 20020291 | 2 | 50.8 | 2.94 | 74.7 | 150 | 1.03 | 1.86 | 2.77 |

Hose design ratio (burst pressure) 4:1.

- Air & Multipurpose
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Mining



| | Page | Thermo-plastic | Rubber | MSHA | Temp. Range | Static Dissipating Tube |
|---------------------------------|------|----------------|--------|------|-----------------------------------|-------------------------|
| Brigade Mine | 169 | Yes | | Yes | -10°F to 150°F (-23°C to 66°C) | |
| Flexsteel Mine Spray | 168 | | Yes | Yes | -20°F to 210°F (-29°C to 99°C) | |
| Flextra Rock Dust | 170 | | Yes | Yes | -25°F to 200°F (-32°C to 93°C) | Yes |
| M&P Mine Conduit | 171 | | Yes | Yes | -20°F to 200°F (-29°C to 93°C) | |
| Plicord Ammonium Nitrate HD | 173 | | Yes | | -25°F to 200°F (-32°C to 93°C) | Yes |
| Plicord Ammonium Nitrate Pellet | 172 | | Yes | | -25°F to 200°F (-32°C to 93°C) | Yes |
| Plicord Mine Conduit | 174 | | Yes | Yes | -40°F to 200°F (-40°C to 93°C) | |
| Spiraflex Cable Guard | 175 | Yes | | Yes | 0°F to 150°F (-18°C to 66°C) | |
| Spiraflex Rock Dust | 176 | Yes | | Yes | 0°F to 158°F (-18°C to 70°C) | |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® Mine Spray



Product Specifications

Application

Flexsteel® Mine Spray is for general underground water spray service in dust control applications. It is also used on continuous mining machinery at the headface and on other mechanical mining machines.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Cover

Yellow Chemivic synthetic rubber, ARPM Class B (Medium Oil Resistance) (Meets flame test requirements of MSHA Schedule 26-Section 18.65), smooth finish

> Reinforcement

Braided (1) steel wire

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Packaging

3/4" - 500' reels or 50' cut lengths, 20 pieces per carton
 1" - 500' reels or 50' cut lengths, 12 pieces per carton
 1¼" - 500' reels or 50' cut lengths, 8 pieces per carton
 1½" - 300' reels or 50' cut lengths, 6 pieces per carton
 2" - 50' cut lengths, 4 pieces per carton

Branding

Example: Continental ContiTech Flexsteel® Mine Spray
 1" 1,000 psi WP Fire-resistant Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

539-421

Flexsteel® Mine Spray

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20024121 | 3/4 | 19.1 | 1.14 | 29.0 | 1000 | 6.9 | 0.44 | 0.65 |
| 20024129 | 1 | 25.4 | 1.45 | 36.8 | 1000 | 6.9 | 0.63 | 0.94 |
| 20024138 | 1¼ | 31.8 | 1.75 | 44.5 | 1000 | 6.9 | 0.86 | 1.28 |
| 20024143 | 1½ | 38.1 | 1.98 | 50.3 | 1000 | 6.9 | 1.08 | 1.61 |
| 20024154 | 2 | 50.8 | 2.55 | 64.8 | 1000 | 6.9 | 1.57 | 2.34 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Brigade™ Mine



Product Specifications

Application

For use as a mine fire protection hose in underground mines.

Construction

> Tube

Black fire-resistant Pliovic®

> Cover

Orange fire-resistant Pliovic®

> Reinforcement

Spiral synthetic yarn

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

1½" - 500' continuous one-piece, coiled and banded

2" - 400' continuous one-piece, coiled and banded

2½" - 300' continuous one-piece, coiled and banded

Branding (Spiral)

Example: Continental ContiTech Brigade™ Mine
Flame-resistant USMSHA No. 2G14 2" (52.6 mm) 150 psi
(1.03 MPa) Made in USA

Couplings

Contact fitting manufacturer for proper fitting
recommendation and coupling procedure.

Order Codes

537-506 (150 psi)

537-508 (200 psi)

Brigade™ Mine

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012419 | 1½ | 38.1 | 1.75 | 44.5 | 150 | 1.03 | 0.23 | 0.34 |
| 20012427 | 2 | 50.8 | 2.27 | 57.7 | 150 | 1.03 | 0.34 | 0.51 |
| 20012429 | 2½ | 63.5 | 2.83 | 71.9 | 150 | 1.03 | 0.51 | 0.76 |
| 20012456 | 1½ | 38.1 | 1.72 | 43.7 | 200 | 1.38 | 0.25 | 0.37 |
| 20012461 | 2 | 50.8 | 2.29 | 58.2 | 200 | 1.38 | 0.36 | 0.54 |
| 20012463 | 2½ | 63.5 | 2.68 | 68.1 | 200 | 1.38 | 0.51 | 0.76 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flextra® Rock Dust



Product Specifications

Application

For handling rock dust operations in underground mines.

Construction

> Tube

Black Chemituf® synthetic rubber (static dissipating/static conductive)

> Cover

Yellow Chemivic synthetic rubber, flame-resistant (MSHA) (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Rock Dust Flame-resistant MSHA IC 11/7

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Soft-cuffed ends available upon special request.

Order Codes

549-668

Flextra® Rock Dust

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20020003 | 1¼ | 31.8 | 1.59 | 40.5 | 100 | 0.69 | 6 | 152 | 29 | 737 | 0.48 | 0.72 |
| 20020005 | 1½ | 38.1 | 1.85 | 46.9 | 100 | 0.69 | 6 | 152 | 29 | 737 | 0.60 | 0.89 |
| 20020009 | 2 | 50.8 | 2.37 | 60.3 | 100 | 0.69 | 8 | 203 | 29 | 737 | 0.80 | 1.19 |
| 20020011 | 2½ | 63.5 | 2.89 | 73.3 | 100 | 0.69 | 10 | 254 | 29 | 737 | 1.06 | 1.58 |
| 20020012 | 3 | 76.2 | 3.35 | 85.1 | 50 | 0.34 | 12 | 305 | 29 | 737 | 1.20 | 1.79 |
| 20020013 | 4 | 101.6 | 4.41 | 111.9 | 50 | 0.34 | 16 | 406 | 29 | 737 | 1.71 | 2.55 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Equipment

Appendix

M&P Mine Conduit



Product Specifications

Application

A fabric-reinforced conduit hose for use as an electrical cable cover in underground mine service.

Construction

> Tube

Black flame-resistant synthetic

> Cover

Black flame-resistant synthetic (smooth cover)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 200°F (-29°C to 93°C)

Packaging

Stocked in 50' pieces per box

Branding

Example: 3/4" (19.1 mm) Mine Conduit Made in USA
Continental ContiTech US MSHA #2G-14-7X

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-045

M&P Mine Conduit

| SAP # | ID | | Nom. OD | | Weight | |
|----------|-------|------|---------|------|---------|------|
| | in. | mm | in. | mm | lb./ft. | kg/m |
| 20026402 | 1/2 | 12.7 | 0.94 | 23.9 | 0.29 | 0.43 |
| 20026405 | 5/8 | 15.9 | 1.06 | 26.9 | 0.35 | 0.52 |
| 20026409 | 3/4 | 19.1 | 1.19 | 30.2 | 0.39 | 0.58 |
| 20026412 | 7/8 | 22.2 | 1.32 | 33.5 | 0.45 | 0.67 |
| 20026415 | 1 | 25.4 | 1.43 | 36.3 | 0.46 | 0.68 |
| 20026417 | 1 1/8 | 28.6 | 1.56 | 39.6 | 0.60 | 0.89 |
| 20026419 | 1 1/4 | 31.8 | 1.69 | 42.9 | 0.62 | 0.92 |
| 20026421 | 1 3/8 | 34.9 | 1.82 | 46.2 | 0.71 | 1.06 |
| 20026423 | 1 1/2 | 38.1 | 1.95 | 49.5 | 0.75 | 1.12 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Ammonium Nitrate Pellet



Product Specifications

Application

This hose is for pellet transfer in blasting hole loading.

Construction

> Tube

Black nitrile synthetic rubber (static dissipating/ static conductive)

> Cover

Black nitrile synthetic rubber (static dissipating/ static conductive)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Ammonium Nitrate Pellet 100 psi

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-232

Plicord® Ammonium Nitrate Pellet

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019417 | 3/4 | 19.1 | 1.17 | 29.7 | 100 | 0.69 | 0.33 | 0.49 |
| 20019420 | 1 | 25.4 | 1.42 | 36.1 | 100 | 0.69 | 0.34 | 0.51 |
| 20019422 | 1½ | 38.1 | 1.92 | 48.8 | 100 | 0.69 | 0.59 | 0.88 |
| 20105656 | 2 | 50.8 | 2.49 | 63.3 | 100 | 0.69 | 0.76 | 1.13 |
| 20133606 | 2½ | 63.5 | 2.94 | 74.7 | 100 | 0.69 | 0.90 | 1.34 |
| 20032691 | 3 | 76.2 | 3.42 | 86.9 | 100 | 0.69 | 1.10 | 1.64 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Ammonium Nitrate HD



Product Specifications

Application

This hose is a heavy-duty hose for pellet transfer in blasting hole loading. Capable of handling -25°F to 200°F (-32°C to 93°C).

Construction

> Tube

Black nitrile synthetic rubber (static dissipating/ static conductive)

> Cover

Black nitrile synthetic rubber (static dissipating/ static conductive) (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric recommendation and coupling procedure

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Coiled and poly-wrapped

Branding

Continuous spiral brand "HD Ammonium Nitrate Pellet 400 psi Max WP Continental ContiTech Made in Canada"

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Maximum shipping length - 400'

Order Codes

549-231

Plicord® Ammonium Nitrate HD

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019412 | 1 | 25.4 | 1.60 | 40.6 | 400 | 2.76 | 0.63 | 0.94 |
| 20019413 | 1½ | 38.1 | 2.10 | 53.3 | 400 | 2.76 | 0.87 | 1.30 |
| 20115495 | 1¾ | 45.1 | 2.61 | 66.3 | 400 | 2.76 | 1.49 | 2.21 |
| 20118678 | 2 | 50.8 | 2.84 | 72.0 | 400 | 2.76 | 1.64 | 2.44 |
| 20135894 | 2½ | 63.5 | 3.26 | 82.7 | 400 | 2.76 | 1.76 | 2.62 |
| 20368039 | 3 | 76.2 | 3.71 | 94.2 | 400 | 2.76 | 1.92 | 2.86 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Mine Conduit



Product Specifications

Application

Plicord® Mine Conduit is a fabric-reinforced hose for use as an electrical cable cover in underground mines. This hose meets MSHA standards for flame-resistant cover.

Construction

> Tube

Black Wingprene® synthetic rubber

> Cover

Black Wingprene® synthetic rubber, flame-resistant (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-40°F to 200°F (-40°C to 93°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Mine Conduit Hose
Flame-resistant USMSHA #2G-14/15

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-039 (black)
549-035 (yellow)

Plicord® Mine Conduit

| | SAP # | | ID | | Nom. OD | | Weight | |
|-------------------------------------|----------|----------|-------|-------|---------|-------|---------|------|
| | Black | Yellow | in. | mm | in. | mm | lb./ft. | kg/m |
| Specialty | 20019080 | 20019068 | 1/2 | 12.7 | 0.94 | 23.9 | 0.30 | 0.45 |
| | 20019082 | 20019070 | 5/8 | 15.9 | 1.06 | 26.9 | 0.35 | 0.52 |
| Steam | 20019084 | 20019071 | 3/4 | 19.1 | 1.18 | 30.0 | 0.40 | 0.60 |
| | 20019087 | 20019072 | 7/8 | 22.2 | 1.30 | 33.0 | 0.45 | 0.67 |
| Vacuum | 20019089 | 20019073 | 1 | 25.4 | 1.43 | 36.3 | 0.50 | 0.74 |
| | 20019091 | 20019075 | 1 1/8 | 28.6 | 1.58 | 40.1 | 0.56 | 0.83 |
| Water Discharge | 20019093 | 20045963 | 1 1/4 | 31.8 | 1.69 | 42.9 | 0.61 | 0.91 |
| | 20019095 | 20031917 | 1 3/8 | 34.9 | 1.81 | 46.0 | 0.66 | 0.98 |
| Suction & Discharge Washdown Garden | 20019096 | 20029879 | 1 1/2 | 38.1 | 1.93 | 49.0 | 0.71 | 1.06 |
| | 20019099 | 20031918 | 1 3/4 | 44.5 | 2.21 | 56.1 | 0.82 | 1.22 |
| Welding | 20019102 | 20019076 | 2 | 50.8 | 2.42 | 61.5 | 0.87 | 1.29 |
| | 20019107 | | 2 1/4 | 57.2 | 2.67 | 67.9 | 0.97 | 1.43 |
| Coupling Systems | 20019108 | | 2 3/8 | 60.3 | 2.80 | 71.0 | 1.02 | 1.52 |
| | 20019109 | 20029631 | 2 1/2 | 63.5 | 2.92 | 74.2 | 1.06 | 1.58 |
| Equipment | 20019112 | | 3 | 76.2 | 3.41 | 86.5 | 1.26 | 1.86 |
| | 20019115 | | 4 | 101.6 | 4.44 | 112.7 | 1.66 | 2.45 |

Hose design ratio (burst pressure) 4:1.

Spiraflex® Cable Guard



Product Specifications

Application

This hose is for use as a protective cover for supply lines. It is flame-resistant and MSHA-approved.

Construction

> Tube

Clear Pliovic® corrugated for flexibility, MSHA

Helix

Clear Pliovic® corrugated for flexibility, MSHA

Temperature Range

0°F to 150°F (-18°C to 66°C)

Packaging

Continuous one-piece, coiled and poly-wrapped, available in 50' or 100' lengths. Available pre-slit longitudinally for easy installation.

Branding

Example: Cable Guard USMSHA IC-11/12 Made in USA Continental ContiTech

Order Codes

586-438

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

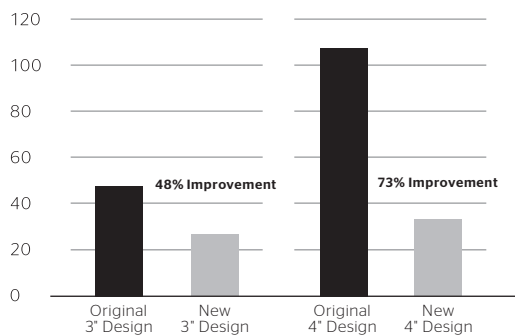
Equipment

Appendix

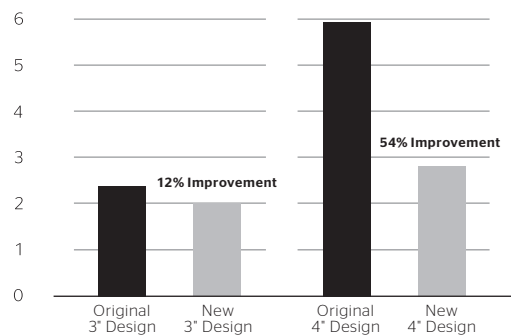
Spiraflex® Cable Guard

| SAP # | ID | | Nom. OD | | Bend Radius | | Weight | |
|----------|-----|-------|---------|-------|-------------|-----|---------|------|
| | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013419 | 2 | 50.8 | 2.28 | 57.9 | 3 | 76 | 0.34 | 0.51 |
| 20013425 | 3 | 76.2 | 3.37 | 85.6 | 6 | 152 | 0.52 | 0.77 |
| 20013431 | 4 | 101.6 | 4.44 | 112.8 | 9 | 229 | 0.75 | 1.12 |

Force-to-Bend (lb.)



Force-to-Open (lb.)



Spiraflex® Rock Dust



Product Specifications

Application

The Spiraflex® Rock Dust hose is a lightweight, flexible alternative to the rubber hose for handling rock dusting in underground coal mines.

Construction

> Tube

Green Pliovic®, meets MSHA standards USMSHA

> Cover

Green Pliovic®, meets MSHA standards USMSHA

> Reinforcement

Rigid white Pliovic® PVC helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Example: Rock Dust USMSHA 2G-1C-14C/17 Made in USA
Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Static wire available, contact customer service.

Order Codes

586-426 (corrugated cover)

586-427 (smooth cover with static wire)

Spiraflex® Rock Dust

| SAP # | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----------------------------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| Green | Smooth cover w/ static wire | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013351 | 20766499 | 1½ | 38.1 | 1.75 | 44.5 | 44 | 0.30 | 4 | 97 | 29 | 737 | 0.28 | 0.42 |
| 20013354 | 20013361 | 2 | 50.8 | 2.35 | 59.7 | 30 | 0.21 | 6 | 140 | 29 | 737 | 0.61 | 0.91 |
| 20013356 | 20013363 | 2½ | 63.5 | 2.87 | 72.9 | 30 | 0.21 | 7 | 178 | 29 | 737 | 0.61 | 0.91 |
| 20013358 | 20013365 | 3 | 76.2 | 3.40 | 86.4 | 30 | 0.21 | 8 | 203 | 29 | 737 | 0.77 | 1.15 |
| 20013359 | 20645908 | 4 | 101.6 | 4.45 | 113.0 | 27 | 0.19 | 14 | 356 | 15 | 381 | 0.95 | 1.41 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Aircraft Fueling



| | Page | API 1529 | NFPA | EN 1361 | Static Dissipating Cover |
|----------------------------|------|----------|------|---------|--------------------------|
| Advantage | 181 | Yes | Yes | | Yes |
| Deadman Aircraft Refueling | 182 | | | | |
| Jet Ranger | 180 | Yes | Yes | Yes | Yes |
| Platinum JAC Riser | 178 | Yes | | Yes | Yes |
| Refueling Sensing | 183 | | | | |
| Wingcraft | 179 | Yes | Yes | | Yes |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Platinum JAC Riser Hose



Product Specifications

Application

Platinum JAC Riser is designed for aircraft refuelers equipped with moveable service platforms to act as a flexible connection between the platform and the refueling truck. Use this hose for commercial and private aircraft fueling/defueling of avgas and jet fuel.

> In a flex test of repetitive bend cycles, the leading competitor's JAC Riser product broke down at 63,600 cycles, which resulted in tube and ply separation, loss of electrical conductivity and overall kinking.

> After 124,000 cycles on the same test, the Platinum JAC Riser had no tube separation, maintained its electrical conductivity and experienced no kinking. The test was stopped at 124,000 cycles and the integrity of the hose was still intact.

> JAC Riser complies with EI 1529/2014 and ISO1825:2010 Type E Grade 2.

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber

> Reinforcement

Spiral-plyed synthetic fabric with dual helix and static dissipating wires

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

Coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Platinum JAC RISER Aircraft Fueling/Defueling Hose NFPA 407 EI1529/2014 ISO1825:2010 Type E Grade 2 2000 kPa (300 psi) MAX WP

Order Codes

543-244

Platinum JAC Riser Hose

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|------|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20737017 | 1½ | 38.1 | 2.18 | 55.4 | 300 | 2.07 | 6.0 | 152 | 29 | 737 | 1.27 | 1.89 |
| 20683391 | 2 | 50.8 | 2.72 | 69.1 | 300 | 2.07 | 8.0 | 203 | 29 | 737 | 1.74 | 2.59 |
| 20737018 | 2½ | 63.5 | 3.22 | 81.9 | 300 | 2.07 | 10.0 | 254 | 29 | 737 | 2.13 | 3.17 |
| 20683393 | 3 | 76.2 | 3.85 | 97.7 | 300 | 2.07 | 12.0 | 305 | 29 | 737 | 3.08 | 4.58 |
| 20672228 | 4 | 101.6 | 4.85 | 123.2 | 300 | 2.07 | 16.0 | 406 | 29 | 737 | 4.11 | 6.12 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Wingcraft™



Product Specifications

Application

Wingcraft™ is for fueling or defueling* commercial and private aircraft. It handles jet fuel and the higher aromatic aviation gasolines. Its high working pressure permits use in fuel cart hydrant service. This hose meets EI 1529-7 edition, 2014 and NFPA Bulletin #407 (2017 revision).

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

Cut lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Wingcraft™ Aircraft Fueling Hose NFPA-407 EI 1529/2014 Type C Grade 2 2000 KPA (300 psi) Max WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Non-Stock/Sizes

Custom lengths and fitting configurations available.

Order Codes

543-738 (1" to 3")

541-738 (4")

Wingcraft™

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018117 | 1 | 25.4 | 1.58 | 40.1 | 300 | 2.07 | 0.63 | 0.94 |
| 20018142 | 1¼ | 31.8 | 1.89 | 48.0 | 300 | 2.07 | 0.84 | 1.25 |
| 20016730 | 1½ | 38.1 | 2.13 | 54.1 | 300 | 2.07 | 0.96 | 1.43 |
| 20016784 | 2 | 50.8 | 2.72 | 69.1 | 300 | 2.07 | 1.43 | 2.13 |
| 20016778 | 2½ | 63.5 | 3.22 | 81.8 | 300 | 2.07 | 1.72 | 2.56 |
| 20190324 | 3 | 76.2 | 3.70 | 94.0 | 300 | 2.07 | 2.02 | 3.01 |
| 20016776 | 4 | 101.6 | 4.80 | 121.9 | 300 | 2.07 | 2.89 | 4.30 |

Hose design ratio (burst pressure) 4:1.

Note: Bulk hose and factory assemblies are hydrostatic tested to 600 psi and certified.

*Gravity defueling only.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Jet Ranger™



Product Specifications

Application

Jet Ranger™ is used in the fueling and defueling* of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasolines. Jet Ranger™ can also be used for hydrant service. This hose meets EI 1529-7 edition, 2014 and NFPA Bulletin #407 (2017 revision).

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped finish)

> Reinforcement

Four spiral-plied synthetic fabric and one nylon breaker

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

Coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Jet Ranger™ ISA 1825:2010/C/OMEGA NFPA 407 EI1529/2014 Type C Grade 2 2 1/2" 2000 kPa/20 bar/300 psi MAX WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes

541-742 (4")
543-742 (1" to 3")

Jet Ranger™

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-------|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20018250 | 1½ | 38.1 | 2.06 | 52.3 | 300 | 2.07 | 0.86 | 1.28 |
| 20046710 | 1¾/32 | 50.0 | 2.57 | 65.3 | 300 | 2.07 | 1.14 | 1.70 |
| 20099968 | 2½ | 63.5 | 3.16 | 80.3 | 300 | 2.07 | 1.53 | 2.28 |
| 20018276 | 3 | 76.2 | 3.64 | 92.5 | 300 | 2.07 | 1.79 | 2.66 |
| 20016044 | 4 | 101.6 | 5.00 | 127.0 | 300 | 2.07 | 3.70 | 5.51 |

Hose design ratio (burst pressure) 4:1.

Note: Bulk hose is factory hydrostatic tested to 600 psi.

*Gravity defueling only.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Advantage™



Product Specifications

Application

Advantage™ Aircraft Fueling hose is for over- and under-the-wing fueling of commercial and private aircraft. This hose meets EI 1529-7 edition, 2014 and NFPA Bulletin #407 (2017 revision).

Construction

> Tube

Black nitrile synthetic rubber

> Cover

Black Wingprene® (ORS) static dissipating/static conductive synthetic rubber (wrapped impression)

> Reinforcement

Two spiral-plied synthetic fabric and one breaker

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

Cut lengths, coiled and poly-wrapped.

Branding

Example: Continental ContiTech Advantage™ Aircraft Fueling Hose NFPA407 EI1529/2014 Type C Grade 1 1 1/4" 1000 kPa (150 psi) MAX WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Non-Stock/Sizes

Custom lengths and female fitting configurations available.

Order Codes

543-429

Advantage™

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20017874 | 1 | 25.4 | 1.55 | 39.4 | 150 | 1.03 | 0.60 | 0.89 |
| 20017880 | 1¼ | 31.8 | 1.81 | 46.0 | 150 | 1.03 | 0.72 | 1.07 |
| 20017889 | 1½ | 38.1 | 2.11 | 53.6 | 150 | 1.03 | 0.96 | 1.43 |

Hose meets API Bulletin 1529-6th edition, 2005, Grade 1, Type C and N.F.P.A. Bulletin #407 (2001 revision).

Hose design ratio (burst pressure) 4:1.

Note: Bulk hose and factory assemblies are hydrostatic tested to 300 psi and certified.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Deadman Aircraft Refueling



Product Specifications

Application

The double-line Deadman Refueling hose is for automatic shutoff at the operator end of aircraft hydrant and truck refueling systems. Used with pneumatic closed-circuit refueling systems commonly referred to as single-point pressure refueling. Deadman hose is connected to air-actuated shut-off valves, that are controlled by the refueler technician at all times during aircraft refueling operations.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Red/Green, Green/Yellow Chemivic synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 140°F (-29°C to 60°C)

Packaging

450'-750', maximum 3 pieces, minimum 35'

Branding (Spiral)

Permanent contrasting black ink on red/green hose.

Example: 1/4 ID Aircraft Fueling Deadman Made in USA Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes

569-601 (red/green)

569-692 (green/yellow)

Deadman Aircraft Refueling

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|-----------|--------------|-----|-----|---------|------|---------|------|---------|------|
| Red/Green | Green/Yellow | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027376 | 20477995 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.2 | 0.3 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Refueling Sensing



Product Specifications

Application

The double-line Refueling Sensing hose is for use on pressurized aircraft hydrant fueling systems common at the larger metropolitan airports. The Sensing hose operates in a system where air and fuel from underground hydrants monitor the flow and pressure of fuel being pumped into the aircraft. The hose carries the deadman function (automatic safety shutdown) and pressure control signals from the dispensing vehicle to the hydrant pit control valve.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Orange/black nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 140°F (-29°C to 60°C)

Packaging

450'-750' reels, maximum 3 pieces, minimum 35'

Branding

Permanent contrasting white ink on black hose.

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes

569-604 (orange/black)

Refueling Sensing

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-----|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027379 | 3/8 | 9.5 | 0.66 | 16.8 | 200 | 1.38 | 0.28 | 0.42 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Dispensing



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

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| | | | UL and/or CUL | | | | | | | | Ad Blue | | |
|--------------------------------|------|-----------|-----------------|--------|-----|-----|------|-----|-----|-----|---------|------|---------|
| | Page | Certified | Gasoline | Diesel | B5 | B20 | B100 | E10 | E25 | E85 | /DEF | Wire | Textile |
| Aggie Gas | 198 | | Yes A/S only | Yes | Yes | | | Yes | | | | | Yes |
| BC Cold Flex | 196 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |
| BC Gasoline | 195 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |
| BC Marina | 197 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |
| DEF Dispensing | 200 | | | | | | | | | | Yes | | Yes |
| Flexsteel ECO-Green | 194 | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes |
| Flexsteel Futura | 185 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |
| Flexsteel Futura B20 | 193 | Yes | Yes | Yes | Yes | Yes | | Yes | | | | | Yes |
| Flexsteel Futura E25 | 192 | Yes | Yes | Yes | Yes | | | Yes | Yes | | | | Yes |
| Flexsteel Futura Ethan-ALL E85 | 191 | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes | | | Yes |
| Flexsteel Futura HVR Low Perm | 187 | Yes | Yes | | | | | Yes | | | | | Yes |
| Flexsteel Futura Low Perm | 186 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |
| Flexsteel Futura Vapor Assist | 188 | Yes | Yes | | | | | Yes | | | | | Yes |
| Maxxim Premier | 189 | Yes | Yes | | | | | Yes | | | | | Yes |
| Maxxim Premier Plus | 190 | Yes | Yes | | | | | Yes | | | | | Yes |
| Pacer | 199 | Yes | Yes | Yes | Yes | | | Yes | | | | | Yes |

Flexsteel® Futura™



Product Specifications

Application

Flexsteel® Futura™ with Futurin™ cover resists cracking and fading, designed to dispense a wide range of fuels, up to E10 and B5, with extreme durability. The wire braid construction provides excellent kink-resistance, low computer creep and long service life. This hose is UL 330 and CUL approved.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Futurin™ synthetic rubber (ORS)

> Reinforcement

Wire braid

Temperature Range


-40°F to 140°F (-40°C to 60°C)

Packaging

5/8" and 3/4" - Coupled lengths, 10 pieces per box

1" - Coupled lengths, 5 pieces per box

Branding

Example: Continental ContiTech 3/4" (19.0 mm)  Flexsteel® Futura™ Gasoline Hose 559N Made in USA

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-327 (black)

532-331 (green)

532-332 (red)

532-333 (blue)

532-335 (yellow)

Flexsteel® Futura™

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|------|---------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 5/8 | 15.9 | 1.00 | 25.4 | 50 | 0.34 | 0.40 | 0.60 |
| 3/4 | 19.1 | 1.13 | 28.7 | 50 | 0.34 | 0.45 | 0.67 |
| 1 | 25.4 | 1.38 | 35.1 | 50 | 0.34 | 0.61 | 0.91 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® Futura™ Low Perm



The First UL-Approved Low Permeation Gasoline Dispensing Hose Available on the Market

Application

The Flexsteel® Futura™ Low Perm dispensing hose offers superior, long-lasting service with multi-fuel capability. This hose is designed for use at filling stations to reduce permeation rates to 10 grams/m²/day and improve air quality and emissions.

- > Premium abuse-resistant cover compound with enhanced ozone resistance for service longevity
- > Meets UL330 requirements
- > Meets stringent permeation requirements of less than 10 grams/m²/day.

The Flexsteel® Futura™ Low Perm dispensing hose meets the below specifications and UL330 low permeation requirements.

Construction

> Tube

Nitrile synthetic rubber with fluorothermoplastic barrier layer

> Cover

Futurin™ synthetic rubber

> Reinforcement

Single-wire braid

Permeation

Meets UL330 permeation limit of 10 grams/m²/day

Branding

Veyance Technologies 559N Made in USA 3/4" Flexsteel® Futura™ Low Perm (10g/m²/day) Gasoline Hose

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-338-024

Flexsteel® Futura™ Low Perm

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|------|---------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.14 | 29.0 | 50 | 0.34 | 0.42 | 0.62 |

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® Futura™ HVR Low Perm



Product Specifications

Application

Flexsteel® Futura HVR Low Perm features an abuse-resistant cover compound with enhanced ozone resistance for service longevity.

- > Meets UL330, CARB, ORVR and EVR requirements
- > Factory-made assemblies with fittings designed for Healy Stage II Enhanced Vapor Recovery (EVR) Systems compatibility
- > Low permeation, less than 10g/m²/day

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Futurin™ synthetic rubber (ORS)

> Reinforcement

One braided steel wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Coupled lengths only, 6 pieces per box

Branding

Veyance Technologies 559N Made in USA 3/4" Flexsteel® Futura™ HVR Low Perm (10g/m²/day) Gasoline Hose

Couplings

Available as factory-coupled assemblies only.

Non-Stock/Sizes

For special production run minimum requirements, contact customer service.

Order Codes

532-330

Flexsteel® Futura™ HVR Low Perm

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|------|---------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.14 | 29.0 | 50 | 0.34 | 0.42 | 0.62 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Equipment

Appendix

Flexsteel® Futura™ Vapor Assist



Product Specifications

Application

This hose is for Stage II Vacuum Assist Systems where a pump in the dispenser pulls the gasoline vapors away from the vehicle fill pipe during fueling. The wire braid construction for the fuel hose provides excellent kink resistance, low computer creep and a long service life. Flexsteel® Futura™ Vapor Assist is UL 330 approved.

Construction

- > **Tube**
Nitrile synthetic rubber (ORS)
- > **Cover**
Futurin™ synthetic rubber (ORS)
- > **Reinforcement**
One braided steel wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Coupled lengths only, 6 pieces per box

Branding

Example: Continental ContiTech Flexsteel® Futura™ Vapor Assist 3/4" Made in USA

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-362

Flexsteel® Futura™ Vapor Assist

| ID | Nom. OD | | Max. WP | | Weight | | |
|-----|---------|------|---------|----|--------|------|---------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 3/4 | 19.1 | 1.13 | 28.7 | 50 | 0.34 | 0.45 | 0.67 |
| 7/8 | 22.2 | 1.25 | 31.8 | 50 | 0.34 | 0.49 | 0.73 |

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

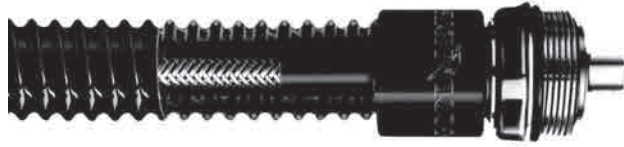
Welding

Coupling Systems

Equipment

Appendix

Maxxim™ Premier



Product Specifications

Application

Maxxim™ Premier is for Stage II Balance Systems where the gasoline vapors from the fill pipe are pushed back through the outer hose. The outer vapor hose has a textile-reinforced thermoplastic layer over a wire helix. The textile-reinforced thermoplastic cover has maximum puncture resistance, stable dimensions and a long service life. The wire braid construction for the fuel hose provides excellent kink resistance and low computer creep. Maxxim™ Premier hose is CARB and UL 330 approved.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Chemivc synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix

> Reinforcement

One braided steel wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Coupled lengths only, 6 pieces per box

Branding

Not branded

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-365-440

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

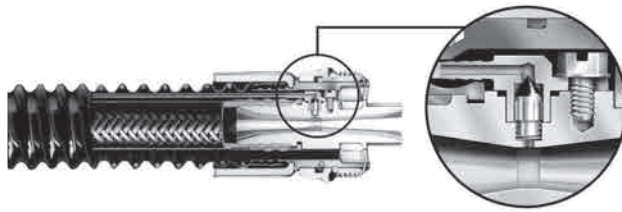
Equipment

Appendix

Maxxim™ Premier

| ID | | ID-Inner Hose | | Nom. OD-Inner Hose | | Weight-Inner Hose | |
|-----|-------|---------------|------|--------------------|------|-------------------|------|
| in. | mm | in. | mm | in. | mm | lb./ft. | kg/m |
| 1¼ | 31.75 | 5/8 | 15.9 | 0.85 | 21.6 | 0.22 | 0.33 |

Maxxim™ Premier Plus



Product Specifications

Application

Maxxim™ Premier Plus incorporates a Venturi pump in the protected confines of the inner fuel hose coupling to keep the vapor path open in the outer hose. As gasoline flows through the Venturi pump, gasoline accumulating in the bottom loop of the vapor hose is collected and returned to the fuel hose. CARB, EVR and UL 330 approved.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Chemivac synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix

> Reinforcement

One braided steel wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Coupled lengths only, 6 pieces per box

Branding

Not branded

Couplings

Available as factory-coupled assemblies only

Order Codes

532-365-441

532-365-641 (EVR)

Maxxim™ Premier Plus

| ID | | ID-Inner Hose | | Nom. OD-Inner Hose | | Weight-Inner Hose | |
|-----|-------|---------------|------|--------------------|------|-------------------|------|
| in. | mm | in. | mm | in. | mm | lb./ft. | kg/m |
| 1/4 | 31.75 | 5/8 | 15.9 | 0.85 | 21.6 | 0.22 | 0.33 |

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Flexsteel® Futura™ Ethan-ALL™ Dispensing Hose Assembly



Product Specifications

Application

Flexsteel® Futura™ Ethan-ALL™ dispensing hose assembly is UL certified for use in ethanol dispensing applications up to E85. This assembly provides the quality Futurin™ cover with its superior ozone resistance along with a premium layline. The tube construction meets the E25/E85 compatibility test requirements of UL 330A.

The Flexsteel® Futura™ Ethan-ALL™ dispensing hose assembly uses the ContiTech proprietary Fuel Grip™ fitting with a premium nickel coating to ensure corrosion is limited.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Futurin™ synthetic rubber

> Reinforcement

Wire braid

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Coupling

Available in factory-coupled assemblies only.

Branding

Continental ContiTech 3/4"  Flexsteel® Futura™ Ethan-ALL™ L E85 559N Made in USA

Order Codes

532-337-124

Flexsteel® Futura™ Ethan-ALL™ Dispensing Hose Assembly

| ID | | OD | | Max. WP | | Weight | |
|-----|------|------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.13 | 28.7 | 50 | 0.34 | 0.46 | 0.69 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Appendix

Flexsteel® Futura™ E25 Dispensing Hose Assembly



Product Specifications

Application

Flexsteel® Futura™ E25 is designed for dispensing applications with ethanol blends up to 25%. It is UL approved to UL330/ UL330A. This hose is the only UL approved E25 hose on the market.

Packaging

Coupled assemblies only

Couplings

Zinc alloy, 3/4" NPT threads

Branding

Continental ContiTech 3/4" Flexsteel® Futura™ E25
Made in USA

Order Codes

532-336

Construction

> Tube

Nitrile synthetic rubber

> Cover

Futurin™ synthetic rubber

> Reinforcement

Single-wire braid

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Flexsteel® Futura™ E25

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|------|---------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.13 | 28.6 | 50 | 0.34 | 0.46 | 0.69 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® Futura™ B20 Dispensing Hose Assembly



Product Specifications

Application

ContiTech's NEW Flexsteel® Futura™ B20 is rated for biodiesel blends up to 20%. UL approved to UL330/UL330B for dispensing applications. Our Flexsteel® Futura™ B20 Hose is the only UL approved B20 hose on the market.

Construction

> Tube

Nitrile synthetic rubber

> Cover

Green Futurin™ synthetic rubber

> Reinforcement

Single wire braid

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Coupled assemblies only

Fittings

Zinc alloy, 3/4" NPT threads

Branding

Continental ContiTech 3/4" Flexsteel® Futura™ B20 (leaf)
Made in USA

Order Codes

532-347

Flexsteel® Futura™ B20

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|------|---------|------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.13 | 28.6 | 50 | 0.34 | 0.46 | 0.69 |
| 1 | 25.4 | 1.38 | 35.1 | 50 | 0.34 | 0.61 | 0.91 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Flexsteel® ECO-Green Petroleum Dispensing Hose

NEW



Product Specifications

Application

Flexsteel ECO-Green is designed for dispensing applications where low extraction is needed to meet stringent clean fuel standards. The fluorothermoplastic inner liner provides excellent fuel compatibility to a wide range of fuels. The inner liner also significantly reduces fuel permeation through the hose.

Construction

> Tube
Fluorothermoplastic inner liner

> Cover
Futurin synthetic rubber

> Reinforcement
Single wire braid

Temperature Range

-40°F to 131°F (-40°C to 55°C)

Packaging

500' reels, maximum 5 pieces, 20' minimum length

Branding

Example: Continental ContiTech Flexsteel® Eco-Green Gasoline Hose HG/T 3037:2008 Type 3/M/19 mm/1.6 MPa

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes

532-340

Flexsteel® ECO-Green Petroleum Dispensing Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20847034 | 3/4 | 19.1 | 1.14 | 29.0 | 232 | 1.6 | 0.42 | 0.63 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

BC Gasoline



Product Specifications

Application

BC Gasoline is for all types of dispensing pump applications where flexibility and lightweight are desired, compatible with fuels up to E10 and B5. This hose is available with one or two textile braids. BC Gasoline is UL 330 and CUL approved.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Black Chemivic synthetic rubber (ORS)

> Reinforcement

Braided synthetic yarn with static wire, available in one- or two-braid

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

5/8" and 3/4" - reels or coupled lengths, 10 pieces per box.
1" - reels or coupled lengths, 5 pieces per box.

Branding

Continental ContiTech 1" (25.4 mm) 2BD
Style BC Gasoline Hose 559N Made in USA

Couplings

Available as factory-coupled assemblies only.

Order Codes

- 532-012 (1-braid)
- 532-013 (2-braid)
- 532-309 (green)
- 532-313 (red)
- 532-314 (blue)

BC Gasoline (1-Braid)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20014734 | 5/8 | 15.9 | 1.00 | 25.4 | 50 | 0.34 | 0.28 | 0.42 |
| 20014738 | 3/4 | 19.1 | 1.13 | 28.7 | 50 | 0.34 | 0.32 | 0.48 |

BC Gasoline (2-Braid)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20021581 | 5/8 | 15.9 | 1.00 | 25.4 | 50 | 0.34 | 0.24 | 0.36 |
| 20021585 | 3/4 | 19.1 | 1.19 | 30.2 | 50 | 0.34 | 0.37 | 0.55 |
| 20021591 | 1 | 25.4 | 1.50 | 38.1 | 50 | 0.34 | 0.55 | 0.82 |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

BC Cold Flex



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

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Product Specifications

Application

BC Cold Flex is a premium gas pump hose for use in extremely cold environments. This hose remains flexible where temperatures of -65°F (-54°C) are encountered. BC Cold Flex is UL 330 and CUL approved, and is the first UL approved cold temperature dispensing hose. Compatible with fuels up to E10 and B5.

Construction

> Tube

Black, low-temperature synthetic rubber

> Cover

Black, low-temperature synthetic rubber (wrapped finish)

> Reinforcement

Braided synthetic yarn with antistatic wire

Temperature Range

-65°F to 140°F (-54°C to 60°C)

Packaging

500' reels +/- 50', minimum 50', maximum 3 pieces
Premade assemblies available

Branding

Continental ContiTech 3/4" (19 mm) BC Cold Flex Low Temp Fuel Dispensing 559N Made in USA

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-395

BC Cold Flex

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20195843 | 3/4 | 19.1 | 1.13 | 28.7 | 50 | 0.34 | 0.33 | 0.49 |
| 20195844 | 1 | 25.4 | 1.52 | 38.6 | 50 | 0.34 | 0.61 | 0.91 |

BC Marina



Product Specifications

Application

BC Marina is for dispensing gasoline to pleasure craft and commercial boats at fresh and salt water marinas, compatible with fuels up to E10 and B5. This hose is UL 330 and CUL approved.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Green Chemivoc synthetic rubber (ORS) (non-marking)

> Reinforcement

Two braided synthetic yarn with static wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Reels or coupled lengths

Branding

Continental ContiTech 1" (25.4 mm) 2BD
Style BC Marina Gasoline 559N Made in USA

Couplings

Available in factory-coupled assemblies only.

Order Codes

532-293

BC Marina

| SAP# | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20021819 | 3/4 | 19.1 | 1.19 | 30.2 | 50 | 0.34 | 0.38 | 0.57 |
| 20021826 | 1 | 25.4 | 1.50 | 38.1 | 50 | 0.34 | 0.57 | 0.85 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Aggie Gas™



Product Specifications

Application

Aggie Gas™ is a multi-use type hose for dispensing gasoline, grease, kerosene and petroleum oils, up to E10 and B5, from farm and barrel type pumps. It is for agricultural, construction and industrial service where UL approval is not required.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Black or red Chemivic synthetic rubber (ORS)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-30°F to 140°F (-34°C to 60°C)

Aggie Gas™ - No Static Wire

Order Codes: 595-001 (no static wire) (black), 595-002 (no static wire) (red)
 3/4" SAP: 20028755 (8'), 20028757 (10'), 20028759 (12'), 20028761 (14')
 1" SAP: 20028755 (8'), 20028742 (10'), 20028744 (12'), 20028746 (14')

| ID | | Nom. OD | | Weight | |
|-----|------|---------|------|---------|------|
| in. | mm | in. | mm | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.11 | 28.2 | 0.27 | 0.40 |
| 1 | 25.4 | 1.40 | 35.6 | 0.52 | 0.77 |

Aggie Gas™ - With Static Wire

Order Codes: 595-026 (with static wire - bulk) (black),
 595-028 (with static wire) - factory-coupled assemblies) (black)
 3/4" SAP: 20352464 (8'), 20352465 (10'), 20352504 (12'), 20352507 (14')
 1" SAP: 20352551 (8'), 20352552 (10'), 20352535 (12')

| ID | | Nom. OD | | Weight | |
|-----|------|---------|------|---------|------|
| in. | mm | in. | mm | lb./ft. | kg/m |
| 3/4 | 19.1 | 1.11 | 28.2 | 0.27 | 0.40 |
| 1 | 25.4 | 1.40 | 35.6 | 0.52 | 0.77 |

Packaging

Reels or coupled lengths, 5 pieces per box

Branding

Example: Aggie Gas™ 3/4" (19.1 mm) Static Bonded Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications. Available in factory coupled assemblies.



Coupled assemblies available.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

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Appendix

Pacer™



Product Specifications

Application

Pacer™ is for all types of gasoline dispensing applications where flexibility and a lightweight hose is desired. Pacer™ is designed with a spiral textile reinforcement. This hose is UL 330 and CUL approved. Compatible with fuels up to E10 and B5.

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Chemivac synthetic rubber (ORS)

> Reinforcement

Spiral synthetic yarn with static wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Reels or coupled lengths

Branding

Example: 3/4" Pacer™ Continental ContiTech

Couplings

Available as factory-coupled assemblies only.

Order Codes

595-017

Pacer™

| ID | | Nom. OD | | Weight | |
|-----|------|---------|------|---------|------|
| in. | mm | in. | mm | lb./ft. | kg/m |
| 5/8 | 15.9 | 0.98 | 24.9 | 0.28 | 0.42 |
| 3/4 | 19.1 | 1.15 | 29.2 | 0.37 | 0.55 |
| 1 | 25.4 | 1.50 | 38.1 | 0.60 | 0.89 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

DEF Dispensing Hose



Product Specifications

Application

Diesel Exhaust Fluid (DEF: aqueous 32.5% nitrogen solution of high-purity urea in deionized water) is a key component of selective catalytic reduction (SCR) systems, which help diesel vehicles meet stringent emission regulations effective January 1, 2010. DEF is a liquid reducing agent that reacts with engine exhaust in the presence of a catalyst to convert smog-forming nitrogen oxides (NOx) into harmless nitrogen and water vapor.

ContiTech DEF Dispensing Hose is specifically designed to convey the high-purity, aqueous urea solution DEF. Hose tube compound is specially formulated with low-extraction EPDM and peroxide cured to provide superior extraction levels to significantly reduce contamination. Flexible softwall construction provides superior handling in standard dispensing and reeling applications. Static wire available for installation in Class I, Division 1 areas.

Construction

> Tube

Specially formulated low-extraction EPDM, peroxide cured

> Cover

Specially formulated EPDM

> Reinforcement

Textile braid

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Bulk, coupled assemblies (NPT and BSPP fittings available)

Branding

Example: Continental Contitech DEF Dispensing Hose 3/4" (19.1 mm) Made in USA

Couplings

Available in factory-coupled assemblies.

Order Codes

532-027

DEF Dispensing Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20554236 | 1/2 | 12.7 | 0.89 | 22.6 | 250 | 1.72 | 0.21 | 0.31 |
| 20528917 | 3/4 | 19.1 | 1.13 | 28.8 | 250 | 1.72 | 0.30 | 0.46 |
| 20686517 | 1 | 25.4 | 1.45 | 36.8 | 250 | 1.72 | 0.42 | 0.62 |

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Dock



| | Page | Nitrile Tube | Flosyn Tube | Max. WP | Corrugated | Temp. Range | Built-in Nipple | Swage Nipple* |
|------------------------------------|------|--------------|-------------|---------|------------|------------------------------------|-----------------|---------------|
| Flexdock 225 | 202 | Yes | Yes | 225 | Yes | -25°F to 200°F (-32°C to 93°C) | Yes | Yes |
| Flexdock 300 | 203 | Yes | Yes | 300 | Yes | -25°F to 200°F (-32°C to 93°C) | Yes | Yes |
| Hot Tar & Asphalt Rough Bore | 209 | Yes | | 200 | | -25°F to 350°F (-32°C to 177°C) | Yes | |
| Hot Tar & Asphalt Smooth Bore | 209 | Yes | | 200 | | -25°F to 350°F (-32°C to 177°C) | Yes | |
| Plicord Dock Hose | 208 | | | 225 | | -25°F to 180°F (-32°C to 82°C) | | |
| RB Dock Asphalt & Bitumen EN 13482 | 210 | | | 225 | | -30°F to 392°F (-37°C to 200°C) | Yes | |
| SB Dock Asphalt & Bitumen EN 13482 | 211 | | | 225 | | -30°F to 392°F (-37°C to 200°C) | Yes | |
| Smooth Bore Dock 200 | 204 | Yes | Yes | 200 | | -25°F to 200°F (-32°C to 93°C) | Yes | Yes |
| Smooth Bore Dock 300 | 205 | Yes | Yes | 300 | | -25°F to 200°F (-32°C to 93°C) | Yes | Yes |
| Tanker Barge Discharge | 206 | Yes | Yes | 200 | | -25°F to 220°F (-32°C to 105°C) | Yes | Yes |
| Vapor Recovery Dock | 207 | Yes | Yes | 25 | Yes | -25°F to 200°F (-32°C to 93°C) | Yes | Yes |

*Up to 10" ID

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexdock® 225



Product Specifications

Application

Flexdock® 225 is built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics

> Cover

Black Wingprene® synthetic cover, corrugated, wrapped finish

> Reinforcement

Spiral-plied heavy-duty synthetic fabric with double wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech Flexdock® 225 psi WP

Couplings

Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-532 (nitrile tube)

541-534 (Flosyn® tube)

Flexdock® 225 Nitrile

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| | 2 | 50.8 | 2.93 | 74.5 | 225 | 1.55 | 8.0 | 203 | 29 | 737 | 2.38 | 3.54 |
| 20346713 | 3 | 76.2 | 3.96 | 100.5 | 225 | 1.55 | 11.0 | 279 | 29 | 737 | 3.47 | 5.16 |
| 20655171 | 4 | 101.6 | 5.25 | 133.5 | 225 | 1.55 | 15.0 | 381 | 29 | 737 | 6.19 | 9.21 |
| | 5 | 127.0 | 6.31 | 160.4 | 225 | 1.55 | 20.0 | 508 | 29 | 737 | 7.77 | 11.57 |
| 20032061 | 6 | 152.4 | 7.32 | 185.8 | 225 | 1.55 | 22.0 | 559 | 29 | 737 | 9.37 | 13.95 |
| 20476794 | 8 | 203.4 | 9.41 | 238.9 | 225 | 1.55 | 30.0 | 762 | 29 | 737 | 13.64 | 20.30 |
| 20098252 | 10 | 254.0 | 11.61 | 295.0 | 225 | 1.55 | 40.0 | 1016 | 29 | 737 | 20.29 | 30.20 |
| 20704428 | 12 | 305.4 | 13.70 | 348.0 | 225 | 1.55 | 60.0 | 1524 | 29 | 737 | 24.87 | 37.01 |

Flexdock® 225 Flosyn®

| | | | | | | | | | | | | |
|----------|----|-------|-------|-------|-----|------|------|------|----|-----|-------|-------|
| 20424276 | 3 | 76.2 | 3.99 | 101.3 | 225 | 1.55 | 11.0 | 279 | 29 | 737 | 3.82 | 5.69 |
| 20054995 | 4 | 101.6 | 5.17 | 131.4 | 225 | 1.55 | 15.0 | 381 | 29 | 737 | 6.16 | 9.16 |
| 20054996 | 6 | 152.4 | 7.31 | 185.6 | 225 | 1.55 | 22.0 | 559 | 29 | 737 | 9.94 | 14.79 |
| 20129447 | 8 | 203.4 | 9.40 | 238.7 | 225 | 1.55 | 30.0 | 762 | 29 | 737 | 14.40 | 21.42 |
| 20139283 | 10 | 254.0 | 11.52 | 292.6 | 225 | 1.55 | 40.0 | 1016 | 29 | 737 | 20.46 | 30.44 |
| 20424277 | 12 | 305.4 | 13.72 | 348.5 | 225 | 1.55 | 60.0 | 1524 | 29 | 737 | 26.54 | 39.49 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexdock® 300



Product Specifications

Application

Flexdock® 300 is built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics

> Cover

Black Wingprene® synthetic cover, corrugated, wrapped finish

> Reinforcement

Heavy-duty synthetic fabric plies with double wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech Flexdock® 300 psi WP Oil Service

Couplings

Coupled with standard built-in steel nipple/150#RF50 flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-533 (nitrile tube)

541-535 (Flosyn® tube)

Flexdock® 300 Nitrile

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| | 2 | 50.8 | 2.98 | 75.7 | 300 | 2.07 | 10 | 254 | 29 | 737 | 2.48 | 3.69 |
| | 3 | 76.2 | 3.99 | 101.3 | 300 | 2.07 | 14 | 356 | 29 | 737 | 3.59 | 5.34 |
| 20015736 | 4 | 101.6 | 5.25 | 133.5 | 300 | 2.07 | 19 | 483 | 29 | 737 | 6.19 | 9.21 |
| 20015748 | 6 | 152.4 | 7.32 | 186.0 | 300 | 2.07 | 28 | 711 | 29 | 737 | 9.51 | 14.15 |
| 20015764 | 8 | 203.2 | 9.60 | 243.9 | 300 | 2.07 | 38 | 965 | 29 | 737 | 15.38 | 22.88 |
| 20546829 | 10 | 254.0 | 11.53 | 292.8 | 300 | 2.07 | 48 | 1219 | 29 | 737 | 19.88 | 29.59 |
| 20015774 | 12 | 305.4 | 13.91 | 353.4 | 300 | 2.07 | 58 | 1473 | 29 | 737 | 28.63 | 42.60 |

Flexdock® 300 Flosyn®

| | | | | | | | | | | | | |
|----------|----|-------|-------|-------|-----|------|----|------|----|-----|-------|-------|
| | 3 | 76.2 | 3.99 | 101.3 | 300 | 2.07 | 14 | 356 | 29 | 737 | 3.82 | 5.69 |
| 20307537 | 4 | 101.6 | 5.17 | 131.4 | 300 | 2.07 | 19 | 483 | 29 | 737 | 6.16 | 9.16 |
| 20015748 | 6 | 152.4 | 7.31 | 185.6 | 300 | 2.07 | 28 | 711 | 29 | 737 | 9.94 | 14.79 |
| 20160411 | 8 | 203.4 | 9.56 | 242.9 | 300 | 2.07 | 38 | 965 | 29 | 737 | 15.90 | 23.66 |
| | 10 | 254.0 | 11.55 | 293.4 | 300 | 2.07 | 48 | 1219 | 29 | 737 | 20.74 | 30.87 |
| 20590479 | 12 | 305.4 | 13.86 | 351.9 | 300 | 2.07 | 58 | 1473 | 29 | 737 | 29.34 | 43.67 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Smooth Bore Dock 200



Product Specifications

Application

Smooth Bore Dock 200 is for the transfer of petroleum-based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics; also available with a Flosyn® tube for up to 100% aromatics

> Cover

Black Chemivic (smooth cover, wrapped finish)

> Reinforcement

Spiral-plyed synthetic fabric with wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech SB Dock Oil Service 200 psi WP

Couplings

Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-004 (nitrile tube)

541-586 (Flosyn® tube)

Smooth Bore Dock 200 Nitrile

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| | 2 | 50.8 | 2.94 | 74.6 | 200 | 1.38 | 12 | 305 | 29 | 737 | 2.37 | 3.53 |
| | 3 | 76.2 | 3.98 | 101.2 | 200 | 1.38 | 18 | 457 | 29 | 737 | 3.89 | 5.79 |
| 20014752 | 4 | 101.6 | 5.28 | 134.0 | 200 | 1.38 | 24 | 610 | 29 | 737 | 6.43 | 9.57 |
| 20014760 | 6 | 152.4 | 7.37 | 187.2 | 200 | 1.38 | 36 | 914 | 29 | 737 | 10.90 | 16.21 |
| 20014771 | 8 | 203.2 | 9.54 | 242.3 | 200 | 1.38 | 48 | 1219 | 29 | 737 | 16.08 | 23.93 |
| 20452847 | 10 | 254.0 | 11.55 | 293.4 | 200 | 1.38 | 60 | 1524 | 29 | 737 | 20.79 | 30.94 |
| 20014790 | 12 | 305.4 | 13.83 | 351.4 | 200 | 1.38 | 72 | 1829 | 29 | 737 | 29.56 | 43.99 |

Smooth Bore Dock 200 Flosyn®

| | | | | | | | | | | | | |
|----------|----|-------|-------|-------|-----|------|----|------|----|-----|-------|-------|
| | 2 | 50.8 | 2.94 | 74.8 | 200 | 1.38 | 12 | 305 | 29 | 737 | 2.52 | 3.75 |
| | 3 | 76.2 | 4.06 | 103.0 | 200 | 1.38 | 18 | 457 | 29 | 737 | 4.34 | 6.46 |
| 20248891 | 4 | 101.6 | 5.24 | 133.0 | 200 | 1.38 | 24 | 610 | 29 | 737 | 6.46 | 9.61 |
| 20170662 | 6 | 152.4 | 7.34 | 186.4 | 200 | 1.38 | 36 | 914 | 29 | 737 | 11.09 | 16.50 |
| 20015908 | 8 | 203.2 | 9.51 | 241.5 | 200 | 1.38 | 48 | 1219 | 29 | 737 | 16.36 | 24.35 |
| 20015912 | 10 | 254.0 | 11.52 | 292.6 | 200 | 1.38 | 60 | 1524 | 29 | 737 | 21.16 | 31.49 |
| | 12 | 305.4 | 13.86 | 352.2 | 200 | 1.38 | 72 | 1829 | 29 | 737 | 30.83 | 45.88 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

- Air & Multipurpose**
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food**
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum**
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water**
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Smooth Bore Dock 300



Product Specifications

Application

Smooth Bore Dock 300 is for the transfer of petroleum-based products between docks and ships under all types of service conditions. It is available in a number of tube compounds to tailor the fluid handling capabilities to a wide variety of petroleum and chemical compositions.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics; also available with a Flosyn® tube for up to 100% aromatics

> Cover

Black Wingprene® synthetic rubber

> Reinforcement

Spiral wire helix between plies of synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Smooth Bore Dock 300 Nitrile

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| | 2½ | 63.5 | 3.47 | 88.1 | 300 | 2.07 | 18 | 457 | 29 | 737 | 3.07 | 4.56 |
| | 3 | 76.2 | 4.05 | 102.8 | 300 | 2.07 | 21 | 533 | 29 | 737 | 4.14 | 6.16 |
| 20274024 | 4 | 101.6 | 5.28 | 134.0 | 300 | 2.07 | 27 | 686 | 29 | 737 | 6.43 | 9.57 |
| | 6 | 152.4 | 7.44 | 189.0 | 300 | 2.07 | 39 | 991 | 29 | 737 | 11.48 | 17.08 |
| 20266243 | 8 | 203.2 | 9.72 | 246.8 | 300 | 2.07 | 51 | 1295 | 29 | 737 | 17.80 | 26.49 |
| 20406529 | 10 | 254.0 | 11.73 | 297.8 | 300 | 2.07 | 63 | 1600 | 29 | 737 | 22.88 | 34.05 |
| 20704654 | 12 | 305.4 | 14.01 | 356.0 | 300 | 2.07 | 75 | 1905 | 29 | 737 | 32.53 | 48.41 |

Smooth Bore Dock 300 Flosyn®

| | | | | | | | | | | | | |
|----------|----|-------|-------|-------|-----|------|----|------|----|-----|-------|-------|
| | 2 | 50.8 | 3.05 | 77.4 | 300 | 2.07 | 15 | 381 | 29 | 737 | 2.83 | 4.21 |
| | 3 | 76.2 | 4.07 | 103.4 | 300 | 2.07 | 21 | 533 | 29 | 737 | 4.40 | 6.55 |
| 20170523 | 4 | 101.6 | 5.30 | 134.6 | 300 | 2.07 | 27 | 686 | 29 | 737 | 6.78 | 10.10 |
| | 5 | 127.0 | 6.39 | 162.4 | 300 | 2.07 | 33 | 838 | 29 | 737 | 9.46 | 14.08 |
| | 6 | 152.4 | 7.53 | 191.2 | 300 | 2.07 | 39 | 991 | 29 | 737 | 12.46 | 18.54 |
| 20015899 | 8 | 203.4 | 9.80 | 249.0 | 300 | 2.07 | 51 | 1295 | 29 | 737 | 19.09 | 28.41 |
| | 10 | 254.0 | 11.81 | 300.0 | 300 | 2.07 | 63 | 1600 | 29 | 737 | 24.45 | 36.39 |
| | 12 | 305.4 | 14.09 | 358.0 | 300 | 2.07 | 75 | 1905 | 29 | 737 | 33.94 | 50.51 |

Hose design ratio (burst pressure) 4:1. Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech SB Dock 300 psi WP

Couplings

Coupled with standard built-in steel nipple/150#RFSSO flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-580 (nitrile tube)

541-584 (Flosyn® tube)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Tanker Barge Discharge



Product Specifications

Application

This hose is for discharge applications such as the transfer of petroleum-based products between docks and barges.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics

> Cover

Black Wingprene® synthetic rubber

> Reinforcement

Spiral-plied synthetic fabric with grounding wires

Temperature Range

-25°F to 220°F (-32°C to 104°C)

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech Tanker Barge Discharge
200 psi WP Nitrile Made in Canada

Couplings

Coupled with standard built-in steel nipple/150#RFSO flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Swage nipples are offered up to 10". Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-426 (nitrile tube)

Tanker Barge Discharge

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|----|---------|-------|---------|-----|--------|-------|---------|
| | | in. | mm | in. | mm | psi | MPa | lb./ft. |
| | 2 | 50.8 | 2.71 | 68.9 | 200 | 1.38 | 1.57 | 2.33 |
| | 3 | 76.2 | 3.71 | 94.3 | 200 | 1.38 | 2.23 | 3.32 |
| 20045864 | 4 | 101.6 | 4.84 | 122.9 | 200 | 1.38 | 3.47 | 5.16 |
| 20104917 | 6 | 152.4 | 7.07 | 179.5 | 200 | 1.38 | 6.50 | 9.68 |
| 20136624 | 8 | 203.4 | 9.08 | 230.5 | 200 | 1.38 | 8.49 | 12.64 |
| 20015537 | 10 | 254.0 | 11.24 | 285.4 | 200 | 1.38 | 12.17 | 18.12 |
| 20259811 | 12 | 305.4 | 13.43 | 341.0 | 200 | 1.38 | 16.53 | 24.60 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Vapor Recovery Dock



Product Specifications

Application

For use in the recovery of petroleum vapors during the transfer of petroleum-based products between docks and tankers or barges.

Construction

> Tube

Nitrile synthetic rubber for up to 50% aromatics; also available with a Flosyn® tube for up to 100% aromatics

> Cover

Black Chemivic synthetic rubber (corrugated)

> Reinforcement

Synthetic fabric plies plus two wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Chloroplast heavy-duty packaging

Branding (Spiral)

Example: Continental ContiTech Vapor Recovery Hose
25 psi MWP

Couplings

Built-in nipples (or swaged fittings up to 10" ID) fitted with 150# flange with an extra 5/8" diameter hole located midway between the flange bolt hole as per Coast Guard requirements.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-090 (nitrile tube)
541-643 (Flosyn® tube)

Vapor Recovery Dock Nitrile

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| | 6 | 152.4 | 6.98 | 177.2 | 25 | 0.17 | 22 | 559 | 29 | 737 | 7.10 | 10.60 |
| 20157291 | 8 | 203.4 | 8.96 | 227.5 | 25 | 0.17 | 30 | 762 | 29 | 737 | 9.01 | 13.41 |
| 20323233 | 10 | 254.0 | 11.04 | 280.5 | 25 | 0.17 | 40 | 1016 | 29 | 737 | 13.58 | 20.20 |
| 20014974 | 12 | 305.4 | 13.07 | 331.9 | 25 | 0.17 | 60 | 1524 | 29 | 737 | 16.17 | 24.08 |

Vapor Recovery Dock Flosyn®

| | | | | | | | | | | | | |
|----------|----|-------|-------|-------|----|------|----|------|----|-----|-------|-------|
| 20585185 | 6 | 152.4 | 6.95 | 176.4 | 25 | 0.17 | 22 | 559 | 29 | 737 | 7.29 | 10.85 |
| | 8 | 203.4 | 8.93 | 226.7 | 25 | 0.17 | 30 | 762 | 29 | 737 | 9.28 | 13.81 |
| 20170523 | 10 | 254.0 | 11.01 | 279.7 | 25 | 0.17 | 40 | 1016 | 29 | 737 | 13.91 | 20.71 |
| | 12 | 305.4 | 13.04 | 331.1 | 25 | 0.17 | 60 | 1524 | 29 | 737 | 16.58 | 24.68 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.810 and 33 CFR 156.170.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Dock Hose



Product Specifications

Application

Plicord® Dock is for the transfer of petroleum products between docks and tankers and is rated for 250 working psi. This hose is not intended for offshore or submarine applications.

Construction

> Tube

Nitrile synthetic rubber

> Cover

1/4" black SBR synthetic rubber

> Reinforcement

Spiral wire helix between plies of synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

Heavy-duty plastic packaging

Branding

Continental ContiTech Plicord Dock Fuel Delivery - Nitrile 250 PSI Max WP Made in Canada (2" spiral transfer tape)

Couplings

Coupled with galvanized built-in steel nipple/150#RFSSO flanges. Available in other bolt hole patterns, materials and floating flanges upon request. Hose assembly is electrically continuous unless otherwise specified by customer.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-577

Plicord® Dock Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|--------------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| Black | | | | | | | | | | | | |
| | 4 | 101.6 | 5.58 | 141.8 | 250 | 1.72 | 24.0 | 610 | 29.0 | 737 | 8.06 | 11.99 |
| 20015841 | 6 | 152.4 | 7.77 | 197.2 | 250 | 1.72 | 36.0 | 914 | 29.0 | 737 | 14.35 | 21.36 |
| 20108741 | 8 | 203.4 | 9.86 | 250.3 | 250 | 1.72 | 48.0 | 1219 | 29.0 | 737 | 20.13 | 29.96 |
| 20161600 | 10 | 254.0 | 12.16 | 308.9 | 250 | 1.72 | 60.0 | 1524 | 29.0 | 737 | 29.25 | 43.33 |
| 20264034 | 12 | 305.4 | 14.15 | 359.3 | 250 | 1.72 | 72.0 | 1829 | 29.0 | 737 | 33.92 | 50.48 |

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Hot Tar & Asphalt



Product Specifications

Application

Designed for petroleum-based products up to 350°F between docks and tankers or barges under heavy-duty conditions.

Construction

> Tube

Nitrile synthetic rubber, flat steel wire helix supporting the tube

> Cover

Wingprene® synthetic rubber

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Packaging

Custom lengths available, contact customer service.

Branding

Example: Continental ContiTech RB Dock Hot Asphalt 350°F 225 psi max

Couplings

Coupled with built-in steel nipple/150#RFSO flanges.

Available in other bolt hole patterns, materials and floating flanges upon request. Smooth bore assembly is electrically continuous unless otherwise specified by customer. Rough bore assembly is offered as electrically continuous only.

Non-Stock/Sizes

Custom lengths available, contact customer service.

Order Codes

541-582 (rough)

541-606 (smooth)

Smooth Bore

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|-------|---------|-----|-------------|-----|-----------|----|--------|-------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| | 3 | 76.2 | 4.31 | 109.4 | 225 | 1.55 | 24 | 610 | 29 | 737 | 5.12 | 7.62 |
| 20274024 | 4 | 101.6 | 5.38 | 136.6 | 225 | 1.55 | 36 | 914 | 29 | 737 | 7.06 | 10.51 |
| 20276576 | 6 | 152.4 | 7.75 | 196.7 | 225 | 1.55 | 48 | 1219 | 29 | 737 | 13.99 | 20.82 |
| 20266243 | 8 | 203.2 | 9.83 | 249.6 | 225 | 1.55 | 60 | 1524 | 29 | 737 | 19.20 | 28.58 |
| 20473949 | 10 | 254.0 | 11.81 | 299.9 | 225 | 1.55 | 80 | 2032 | 29 | 737 | 23.29 | 34.67 |
| | 12 | 305.4 | 13.83 | 351.4 | 225 | 1.55 | 96 | 2438 | 29 | 737 | 27.60 | 41.07 |

Hose design ratio (burst pressure) 4:1.

Rough Bore

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|-------|---------|-----|-------------|-----|-----------|----|--------|-------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20283225 | 6 | 152.4 | 8.19 | 208.1 | 225 | 1.55 | 36 | 914 | 29 | 737 | 16.87 | 25.11 |
| 20288374 | 8 | 203.2 | 10.27 | 260.8 | 225 | 1.55 | 48 | 1219 | 29 | 737 | 23.22 | 34.56 |
| 20015897 | 10 | 254.0 | 12.22 | 310.3 | 225 | 1.55 | 60 | 1524 | 29 | 737 | 29.35 | 43.68 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

RB Dock Asphalt & Bitumen EN 13482



Product Specifications

Application

This is a Rough Bore (RB) Dock hose designed for asphalt and bitumen products up to 392°F (200°C) dockside transfer between docks and ships. All sizes are rated at full vacuum.

Construction

> Tube

Black, oil-resistant nitrile synthetic rubber, supported by a flat steel helix wire

> Cover

Nitrile/synthetic black rubber, Ozone-, oil-, sea water- and abrasion-resistant

> Reinforcement

Spiral wire helix between plies of synthetic fabric

Temperature Range

-25°F to 392°F (-32°C to 200°C)

Branding (Spiral)

Coast Guard & Stainless steel name plate at both ends:
Example: Continental ContiTech Asphalt and Bitumen EN 13482:2001 Type 2 RB ID mm 15 bar 200°C

Couplings

Built-in couplings with flanges

Standards

- > ISO 1307
- > BS EN 13482 Type 2, Class B
- > Coast Guard Federal Regulations, Title 33, Chapter 1, Subpart C Clause 154.500

Order Code

541-217

RB Dock Asphalt & Bitumen EN 13482

| ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----|---------|-------|---------|-----|-------------|-----|-----------|----|---------|-------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m | |
| 4 | 101.6 | 5.71 | 145.1 | 225 | 1.55 | 30 | 762 | 29 | 737 | 8.66 | 12.89 |
| 6 | 152.4 | 7.97 | 202.5 | 225 | 1.55 | 40 | 1016 | 29 | 737 | 14.71 | 21.89 |
| 8 | 203.2 | 10.05 | 255.2 | 225 | 1.55 | 50 | 1270 | 29 | 737 | 20.49 | 30.49 |
| 10 | 254.0 | 12.11 | 307.7 | 225 | 1.55 | 60 | 1524 | 29 | 737 | 27.33 | 40.67 |

Hose design ratio (burst pressure) 6:1. Vacuum resistance up to -0.9 bar.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

SB Dock Asphalt & Bitumen EN 13482



Product Specifications

Application

This is a Smooth Bore (SB) Dock hose designed for asphalt and bitumen products up to 392°F (200°C) dockside transfer between docks and ships. All sizes are rated at full vacuum.

Construction

> Tube

Black, oil-resistant Nitrile synthetic rubber, supported by a flat steel helix wire

> Cover

Nitrile/synthetic black rubber, ozone-, oil-, sea water- and abrasion-resistant

> Reinforcement

Spiral wire helix between plies of synthetic fabric

Temperature Range

-25°F to 392°F (-32°C to 200°C)

Branding (Spiral)

Coast Guard & Stainless steel name plate at both ends.
Example: Continental ContiTech Asphalt and Bitumen EN 13482:2001 Type 2 RB ID mm 15 bar 200°C

Couplings

Built-in couplings with flanges

Standards

- > ISO 1307
- > BS EN 13482 Type 2, Class B
- > Coast Guard Federal Regulations, Title 33, Chapter 1, Subpart C clause 154.500

Product Code

Built to length. Please contact customer service for further details.

Order Code

541-240

SB Dock Asphalt & Bitumen EN 13482

| ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 4 | 101.6 | 5.38 | 136.6 | 225 | 1.55 | 24 | 610 | 29 | 737 | 6.85 | 10.19 |
| 6 | 152.4 | 7.75 | 196.7 | 225 | 1.55 | 34 | 864 | 29 | 737 | 13.58 | 20.21 |
| 8 | 203.4 | 9.83 | 249.6 | 225 | 1.55 | 44 | 1118 | 29 | 737 | 18.68 | 27.80 |
| 10 | 254.0 | 11.81 | 299.9 | 225 | 1.55 | 55 | 1397 | 29 | 737 | 22.66 | 33.72 |

Hose design ratio (burst pressure) 6:1. Vacuum resistance up to -0.9 bar.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Rig Supply



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

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| | Page | Max. WP | Temp. Range | Refined Fuels | Wire Helix |
|---|---------|---------|-----------------------------------|---------------|------------|
| Diesel Oil HW | 213 | 200 | -35°F to 200°F (-37°C to 93°C) | Yes | Yes |
| Diesel Oil SW | 214 | 150 | -35°F to 200°F (-37°C to 93°C) | Yes | |
| Offshore Fuel 500 HW ASW | 217 | 500 | 35°F to 200°F (-37°C to 93°C) | Yes | Yes |
| Offshore Fuel HW 500 | 218 | 500 | 35°F to 200°F (-37°C to 93°C) | Yes | Yes |
| Oil Rig BioFuel SW | 219 | 290 | 35°F to 200°F (-37°C to 93°C) | Yes | |
| Oil Rig HW | 215 | 290 | 35°F to 200°F (-37°C to 93°C) | Yes | Yes |
| Oil Rig HW ARC | 220 | 290 | 35°F to 200°F (-37°C to 93°C) | | Yes |
| Oil Rig Service with Integral Positive Float System | 223-224 | 290 | -22°F to 180°F (-30°C to 82°C) | | |
| Oil Rig SW | 216 | 290 | 35°F to 200°F (-37°C to 93°C) | | |
| Plicord HW Dry Cement/Barytes | 221 | 150 | -22°F to 180°F (-30°C to 82°C) | | Yes |
| Plicord SW Dry Cement/Barytes | 222 | 150 | -22°F to 180°F (-30°C to 82°C) | | |

Diesel Oil HW

Product Specifications

Application

Diesel Oil HW is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. The special tube and cover compound allows for maximum oil resistance. This hose features a double wire helix for unbeatable stability.

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black polychloroprene (MSHA fire-resistant) (wrapped impression)

> Reinforcement

Spiral-plied fabric with double wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

Coiled and poly-wrapped

Branding

Continental ContiTech Diesel Oil Made in Canada (3/4" spiral transfer tape, brown backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-271 (4"-8")

543-271 (2½"-6")

Diesel Oil HW

| ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|------|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|-------|
| in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 2.50 | 63.5 | 3.11 | 79.0 | 200 | 1.38 | 6 | 152 | 29 | 737 | 1.88 | 2.80 |
| 3.00 | 76.2 | 3.62 | 91.9 | 200 | 1.38 | 7 | 178 | 29 | 737 | 2.26 | 3.37 |
| 4.00 | 101.6 | 4.72 | 119.9 | 200 | 1.38 | 10 | 254 | 29 | 737 | 3.45 | 5.14 |
| 5.00 | 127.0 | 5.81 | 147.6 | 200 | 1.38 | 20 | 508 | 29 | 737 | 5.00 | 7.44 |
| 6.00 | 152.4 | 6.81 | 173.0 | 200 | 1.38 | 24 | 610 | 29 | 737 | 6.02 | 8.97 |
| 8.01 | 203.4 | 9.13 | 231.9 | 200 | 1.38 | 32 | 813 | 29 | 737 | 12.35 | 18.38 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Diesel Oil SW

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

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Product Specifications

Application

Diesel Oil SW is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. This hose has superb oil resistance with its unique tube and cover compounds, plus antistatic wire. A high strength reinforcement provides toughness and a high safety margin.

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black polychloroprene (MSHA fire-resistant) (wrapped impression)

> Reinforcement

Spiral-plied fabric with antistatic wire

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech Diesel Oil Made in Canada (3/4" spiral transfer tape, brown backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

- 541-272 (6"-8")
- 543-272 (3"-6")

Diesel Oil SW

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|-------|---------|-------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3 | 76.2 | 3.63 | 92.1 | 150 | 1.03 | 2.00 | 2.98 |
| 4 | 101.6 | 4.66 | 118.4 | 150 | 1.03 | 2.71 | 4.03 |
| 5 | 127.0 | 5.71 | 145.0 | 150 | 1.03 | 3.61 | 5.37 |
| 6 | 152.4 | 6.71 | 170.4 | 150 | 1.03 | 4.28 | 6.37 |
| 8 | 203.4 | 8.80 | 223.6 | 150 | 1.03 | 6.27 | 9.33 |

Hose design ratio (burst pressure) 4:1.

Oil Rig HW

Product Specifications

Application

Oil Rig HW is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. The special tube and cover compound allows for maximum oil resistance. This hose features a double wire helix for unbeatable stability. This hose has a 290 psi (20 bar) working pressure.

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black polychloroprene (MSHA fire-resistant) (wrapped impression)

> Reinforcement

Spiral-plied fabric with double wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech Rig Supply Hardwall WP 20 bar BP 60 bar -M Made in Canada (3/4" spiral transfer tape, yellow backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

541-297 (8"-12")

543-297 (3"-6")

Oil Rig HW

| ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|-------|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 3.00 | 76.2 | 3.65 | 92.8 | 290 | 2.00 | 7 | 178 | 29 | 737 | 2.38 | 3.55 |
| 3.13 | 79.4 | 3.81 | 96.8 | 290 | 2.00 | 8 | 203 | 29 | 737 | 2.59 | 3.86 |
| 4.00 | 101.6 | 4.69 | 119.1 | 290 | 2.00 | 10 | 254 | 29 | 737 | 3.33 | 4.95 |
| 5.00 | 127.0 | 5.81 | 147.6 | 290 | 2.00 | 20 | 508 | 29 | 737 | 5.00 | 7.44 |
| 6.00 | 152.4 | 6.81 | 173.0 | 290 | 2.00 | 24 | 610 | 29 | 737 | 6.02 | 8.97 |
| 8.01 | 203.4 | 9.16 | 232.7 | 290 | 2.00 | 32 | 813 | 29 | 737 | 11.11 | 16.54 |
| 10.00 | 254.0 | 11.38 | 289.2 | 290 | 2.00 | 40 | 1016 | 29 | 737 | 17.25 | 25.67 |
| 12.03 | 305.4 | 13.57 | 344.7 | 290 | 2.00 | 48 | 1219 | 29 | 737 | 24.40 | 36.31 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Oil Rig SW

Product Specifications

Application

Oil Rig SW is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. This hose has superb oil resistance with its unique tube and cover compounds plus antistatic wire. High strength reinforcement provides toughness and a high safety margin. This hose has a maximum working pressure of 290 psi (20 bar).

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black polychloroprene (MSHA fire-resistant) (wrapped impression)

> Reinforcement

Spiral-plied fabric with antistatic wire

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech Rig Supply Softwall WP 20 bar BP 60 Bar -M Made in Canada (3/4" spiral transfer tape, yellow backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

541-295 (8"-12")

543-295 (3"-6")

Oil Rig SW

| ID | | Nom. OD | | Max. WP | | Weight | |
|-------|-------|---------|-------|---------|------|---------|-------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 3.00 | 76.2 | 3.58 | 91.0 | 290 | 2.00 | 1.82 | 2.70 |
| 4.00 | 101.6 | 4.63 | 117.6 | 290 | 2.00 | 2.60 | 3.87 |
| 5.00 | 127.0 | 5.63 | 143.0 | 290 | 2.00 | 3.20 | 4.76 |
| 6.00 | 152.4 | 6.65 | 169.0 | 290 | 2.00 | 3.88 | 5.77 |
| 8.01 | 203.4 | 8.74 | 222.0 | 290 | 2.00 | 5.74 | 8.54 |
| 10.00 | 254.0 | 11.00 | 279.5 | 290 | 2.00 | 9.37 | 13.94 |
| 12.03 | 305.4 | 13.22 | 335.7 | 290 | 2.00 | 13.32 | 19.83 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Offshore Fuel HW 500 ASW

Product Specifications

Application

This hose is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. This hose has a high working pressure of 500 psi with antistatic wire and MSHA fire-resistant rated cover. This hose can also be used as Liquid Mud HW.

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black polychloroprene (MSHA fire-resistant) (wrapped impression)

> Reinforcement

Spiral-plied fabric with double wire helix and antistatic wire

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech HW Offshore Fuel Loading
500 psi WP MSHA IC-233/0 Made in Canada
(3/4" spiral transfer tape, red backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

543-495

Offshore Fuel HW 500 ASW

| ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 3 | 76.2 | 4.01 | 101.9 | 500 | 3.45 | 10 | 254 | 29 | 737 | 3.61 | 5.37 |
| 4 | 101.6 | 5.09 | 129.4 | 500 | 3.45 | 12 | 305 | 29 | 737 | 5.02 | 7.47 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Offshore Fuel HW 500

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Product Specifications

Application

Offshore Oil Fuel is for use on offshore oil rigs to transfer petroleum-based products with up to 50% aromatic content. This hose has a high working pressure of 500 psi. It can be also used as Liquid Mud HW.

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Black nitrile/PVC (wrapped impression)

> Reinforcement

Spiral-plied fabric with double wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech HW Offshore Fuel Loading
500 psi WP Made in Canada
(1" spiral transfer tape, red backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

543-526 (3"-4")
541-526 (6")

Offshore Fuel HW 500

| ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | | |
|----|---------|------|---------|-----|-------------|------|-----------|-----|--------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 3 | 76.2 | 4.01 | 101.9 | 500 | 3.45 | 3.45 | 10 | 254 | 29 | 737 | 3.42 | 5.10 |
| 4 | 101.6 | 5.03 | 127.8 | 500 | 3.45 | 3.45 | 12 | 305 | 29 | 737 | 4.49 | 6.68 |
| 6 | 152.4 | 7.31 | 185.7 | 500 | 3.45 | 3.45 | 36 | 914 | 29 | 737 | 8.90 | 13.25 |

Hose design ratio (burst pressure) 4:1.

Oil Rig BioFuel SW

Product Specifications

Application

Oil Rig BioFuel SW is for use on offshore oil rigs to transfer petroleum-based products with up to 60% aromatic content, specifically for biodiesel. It has superb oil-resistance due to its unique tube and cover compounds, plus antistatic wire. Its high strength reinforcement provides toughness and a high safety margin. This hose has a maximum working pressure of 290 psi (20 bar).

Construction

> Tube

Black static-dissipating nitrile, ARPM Class A (High Oil Resistance), for diesel, biodiesel and ethanol blends

> Cover

Black nitrile/PVC (wrapped impression) resistant to biodiesel and ethanol blends

> Reinforcement

Spiral-plied fabric with antistatic wire

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech Rig Supply Softwall WP 20 bar BP 60 bar -M Made in Canada (3/4" spiral transfer tape, yellow backing with black lettering and additional green stripe)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

543-624

Diesel Oil SW

| ID | | Nom. OD | | Max. WP | | Weight | |
|-----|-------|---------|-------|---------|------|---------|------|
| in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 6 | 152.4 | 6.71 | 170.4 | 290 | 2.00 | 3.86 | 5.75 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Oil Rig HW ARC

Product Specifications

Application

Oil Rig HW ARC is for use on offshore oil rigs to transfer petroleum-based products. The Abrasion Resistant Cover (ARC) has a superior abrasion resistance to handle excessive wear. This hose has a maximum 290 psi (20 bar) working pressure.

Construction

> Tube

Black nitrile/PVC, ARPM Class B (Medium Oil Resistance)

> Cover

Black EPDM with 50% coverage thermoplastic ARC treatment for improved slipperiness

> Reinforcement

Spiral-plied fabric with double wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Branding

Continental ContiTech Made in Canada (3/4" spiral transfer tape and additional plain yellow stripe)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Packaging

Coiled and poly-wrapped

Order Codes

543-225

Oil Rig HW ARC

| ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 4 | 101.6 | 4.81 | 122.3 | 290 | 2.00 | 16 | 406 | 29 | 737 | 3.64 | 5.42 |
| 5 | 127.0 | 5.90 | 149.8 | 290 | 2.00 | 20 | 508 | 29 | 737 | 5.17 | 7.69 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

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Appendix

Plicord® HW Dry Cement/Barytes



Product Specifications

Application

This hose is a heavy-duty high-performance suction and discharge hose for the bulk transfer of dry cement and barytes from supply vessels to off-shore platform and drilling rigs.

Construction

> Tube

Black Chemituf® static conducting synthetic rubber

> Cover

Black SBR synthetic rubber with yellow spiral stripe (cement) and orange stripe (barites) wrapped finish

> Reinforcement

Four spiral-ply synthetic fabric plus helix wire

Temperature Range

-32°F to 82°F (-25°C to 180°C)

Packaging

30.5 m coils (available in other lengths up to 122 m)

Branding (Spiral)

Example: Continental ContiTech Dry Cement Hardwall
Continental ContiTech Barytes Hardwall

Order Codes

549-275 (cement)

549-070 (Barytes)

Plicord® HW Dry Cement/Barytes

| ID | | Nom. OD | | Max. WP | | Bend Radius | Weight | |
|-----|-------|---------|-------|---------|-----|-------------|---------|------|
| in. | mm | in. | mm | psi | bar | mm | lb./ft. | kg/m |
| 4 | 102.3 | 4.84 | 121.0 | 150 | 10 | 1015 | 3.16 | 4.70 |
| 5 | 127.4 | 5.86 | 151.0 | 150 | 10 | 1270 | 5.41 | 8.04 |
| 6 | 152.6 | 6.85 | 176.4 | 150 | 10 | 1525 | 6.57 | 9.77 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Appendix

Plicord® SW Dry Cement/Barytes



Product Specifications

Application

This hose is a heavy-duty high-performance discharge hose for the bulk transfer of dry cement and barites from supply vessels to off-shore platforms and drilling rigs.

Construction

> Tube
Black Chemituf® static dissipation

> Cover

Black SBR

> Reinforcement

4 plies with static wire

Temperature Range

-32°F to 82°F (-25°C to 180°C)

Packaging

30.5 m coils (available in other lengths up to max 122 m)

Branding (Spiral)

Example: Continental ContiTech Dry Cement Softwall

Order Codes

549-274 (cement)

549-278 (Barytes)

Plicord® SW Dry Cement/Barytes

| ID | | Nom. OD | | Max. WP | Weight |
|-----|-------|---------|-------|---------|---------|
| in. | mm | in. | mm | psi | lb./ft. |
| 3 | 76.0 | 3.83 | 97.4 | 150 | 2.44 |
| 4 | 101.6 | 4.85 | 123.2 | 150 | 3.22 |
| 5 | 127.0 | 5.88 | 149.4 | 150 | 4.13 |
| 6 | 152.4 | 6.93 | 176.0 | 150 | 5.24 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Oil Rig Service Hose with Integral Positive Float System



Product Specifications

Application

This hose is specifically designed to be used on service vessels to offshore drilling and production platforms for the transfer of a wide range of products from petroleum to drinking water. The unique positive float system allows the hose to maintain flotation with products of various specific gravities.

The system consists of a section of floating hose up to a length of 30.5 m which may be attached to various lengths of hose (up to 120 m) attached to the supply vessel. In addition, the supply hose may incorporate integrated wear strips on the cover to improve the abrasion resistance of the hose. The system may be stored on platform reeling systems and the hose may be supplied with a RFID chip for integrated hose management.

Construction

> Tube

Various synthetic rubber compounds are offered depending on hose service and product conveyed

> Cover

Synthetic rubber with excellent resistance to ozone and weathering. An abrasion strip is available to extend the service life of the outer hose

> Reinforcement

Spiral reinforcement plies are available with (hardwall)* or without (softwall) helix wire

Positive Float

Well proven closed cell foam floating material used also in OCIMF hoses. Foam thickness design based upon product conveyed as specified by the customer. The foam is covered with an integral orange rubber cover.

Approvals

Currently in use in the North Sea with major oil and drilling companies.

Branding

Standard ContiTech brand

Temperature

-22°F to 180°F (-30°C to 82°C)

Lengths

Custom built, up to 30.5 m (100') with flotation and 120 m (400') without

Colors

Available in orange or black

Couplings

A range of internally and externally swaged fittings and "built-in" fittings are available for these hose.

Packaging

Bulk and coupled assemblies available

Dimensions

See next page. Other diameter/design available upon request.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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3" Positive Float

| ID | | OD** | | Max. WP | | Bend Radius | | Weight | | Max. SG*** |
|-----|-----|------|-----|---------|-----|-------------|------|--------|---------|-------------------|
| in. | mm | in. | mm | psi | bar | in. | mm | kg/m | lb./ft. | g/cm ³ |
| 2 | 51 | 8.7 | 220 | 290 | 20 | 20 | 510 | 8.35 | 5.65 | 8.00 |
| 3 | 76 | 9.4 | 240 | 290 | 20 | 30 | 760 | 9.90 | 6.69 | 4.20 |
| 4 | 102 | 10.7 | 270 | 290 | 20 | 40 | 1020 | 11.63 | 7.85 | 3.10 |

Hose design ratio (burst pressure) 4:1.

1½" Positive Float

| ID | | OD** | | Max. WP | | Bend Radius | | Weight | | Max. SG*** |
|-----|-----|------|-----|---------|-----|-------------|------|--------|---------|-------------------|
| in. | mm | in. | mm | psi | bar | in. | mm | kg/m | lb./ft. | g/cm ³ |
| 2 | 51 | 5.5 | 140 | 290 | 20 | 20 | 510 | 3.5 | 2.36 | 3.10 |
| 3 | 76 | 6.3 | 160 | 290 | 20 | 30 | 760 | 4.39 | 2.96 | 1.90 |
| 4 | 102 | 7.5 | 190 | 290 | 20 | 40 | 1020 | 5.37 | 3.62 | 1.60 |

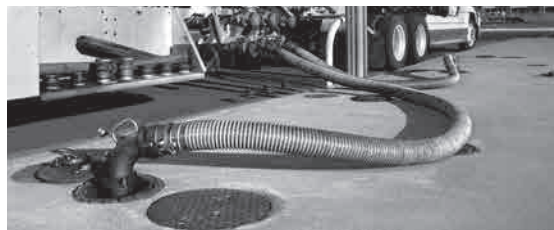
Hose design ratio (burst pressure) 3:1.

*For vacuum service, Rig Supply Hardwall is utilized.

**Floating hose OD's are based on 3" and 1½" flotation material and Rig Supply Softwall Hose.

***Max. SG - Maximum Specific Gravity of the product allowed to have a reserved buoyancy of Min. +25%.

Transfer Discharge



| | Page | Temp. Range | Refined Fuels | Corrugated Cover | Lightweight |
|---------------------------------|------|------------------------------------|---------------|------------------|-------------|
| Blue Low Temp Fuel Oil Delivery | 227 | -40°F to 140°F (-40°C to 60°C) | Yes | | |
| Plicord Fuel Discharge | 228 | -35°F to 180°F (-37°C to 82°C) | Yes | | |
| Plicord Oilfield Frac | 229 | -25°F to 180°F (-32°C to 82°C) | | | |
| Prospector Petro 150 | 231 | -25°F to 180°F (-32°C to 82°C) | | | |
| Pyroflex Hot Tar Wand | 230 | -25°F to 350°F (-32°C to 177°C) | | | |
| Redwing Fuel Oil | 226 | -40°F to 140°F (-40°C to 60°C) | Yes | | |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Appendix

Redwing® Fuel Oil



Product Specifications

Application

Redwing® Fuel Oil is for the transfer and delivery of fuel oil and petroleum products for home delivery, commercial and industrial service. Redwing® Fuel Oil has two textile braids. The braided construction reduces kinking and twisting when reeling. The smooth cover has low drag resistance.

Construction

> Tube

Nitrile synthetic rubber (ORS), ARPM Class A (High Oil Resistance)

> Cover

Red Chemivic synthetic rubber (smooth finish) (ORS)

> Reinforcement

Two braided synthetic yarn

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Reels, cut lengths and coupled lengths

Branding

Example: Continental ContiTech 1" (25.4 mm) 2BD Redwing® Fuel Oil Made in USA

Couplings



Coupled assemblies available.

Order Codes

532-016

Redwing® Fuel Oil

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20021667 | 1 | 25.4 | 1.50 | 38.1 | 250 | 1.72 | 0.57 | 0.85 |
| 20021681 | 1¼ | 31.8 | 1.80 | 45.7 | 250 | 1.72 | 0.65 | 0.97 |
| 20021708 | 1¾ | 34.9 | 1.88 | 47.8 | 250 | 1.72 | 0.70 | 1.04 |
| 20021735 | 1½ | 38.1 | 2.10 | 53.3 | 150 | 1.03 | 0.92 | 1.37 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Blue Low Temp Fuel Oil Delivery



Product Specifications

Application

The new and improved Low-Temperature Fuel Oil Delivery Hose is for transfer and delivery of fuel oil and petroleum products for home delivery, commercial and industrial service designed to remain flexible in cold temperatures and provide superior oil resistance. The braided construction reduces kinking and twisting when reeling. The smooth cover has low drag resistance.

Construction

> Tube

Nitrile (ORS)

> Cover

Blue Chemivic synthetic rubber (ORS) (smooth finish)

> Reinforcement

Two-braid textile with static wire

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

Cut lengths

Branding

Example: Continental ContiTech 1 1/4" (31.8 mm) 2BD Low Temp Fuel Oil A/S Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures.

Order Codes

532-021

Blue Low Temp Fuel Oil Delivery

| SAP # | ID/in. | ID/mm | Length | Stocked | psi | Weight | Product Code |
|----------|--------|-------|--------|---------|-----|----------|----------------|
| 20054898 | 1¼ | 31.75 | 100' | YES | 250 | 0.65/ft. | 53202104010000 |
| 20031895 | 1¼ | 31.75 | 125' | YES | 250 | 0.65/ft. | 53202104012500 |
| 20031896 | 1¼ | 31.75 | 150' | YES | 250 | 0.65/ft. | 53202104015000 |
| 20054428 | 1¼ | 31.75 | 175' | N/S | 250 | 0.65/ft. | 53202104017500 |
| 20031897 | 1⅜ | 34.92 | 125' | YES | 250 | 0.70/ft. | 53202104412500 |
| 20031898 | 1⅜ | 34.92 | 150' | YES | 250 | 0.70/ft. | 53202104415000 |
| 20145510 | 1⅜ | 34.92 | 175' | N/S | 250 | 0.70/ft. | 53202104417500 |
| 20750636 | 1½ | 38.10 | 100' | 2500' | 250 | 0.92/ft. | 53202104810000 |
| 20046244 | 1½ | 38.10 | 125' | 2500' | 250 | 0.92/ft. | 53202104812500 |
| 20031899 | 1½ | 38.10 | 150' | 2500' | 250 | 0.92/ft. | 53202104815000 |
| 20750635 | 1½ | 38.10 | 175' | 2500' | 250 | 0.92/ft. | 53202104817500 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Appendix

Plicord® Fuel Discharge



Product Specifications

Application

Plicord® Fuel Discharge hose is for the discharge of gasoline, oil, ethanol blends and other petroleum-based products with up to 50% aromatic content in tank and industrial applications.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance), plus antistatic wires

> Cover

Black Chemivic synthetic rubber, ARPM Class B (Medium-High Oil Resistance)

> Reinforcement

Spiral-plied synthetic fabric (2"-4": 2 ply; 6": 4 ply), plus grounding wires

Temperature Range

-35°F to 180°F (-37°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Fuel Discharge

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-331

Plicord® Fuel Discharge

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|-----|---------|------|---------|-----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20032339 | 3/4 | 19.1 | 1.21 | 30.7 | 150 | 1.03 | 0.42 | 0.63 |
| 20032357 | 1 | 25.4 | 1.46 | 37.1 | 150 | 1.03 | 0.52 | 0.77 |
| 20050546 | 1¼ | 31.8 | 1.72 | 43.7 | 150 | 1.03 | 0.63 | 0.94 |
| 20017756 | 1½ | 38.1 | 1.95 | 49.5 | 150 | 1.03 | 0.73 | 1.09 |
| 20017758 | 2 | 50.8 | 2.49 | 63.3 | 150 | 1.03 | 0.98 | 1.46 |
| 20032358 | 2½ | 63.5 | 2.98 | 75.7 | 150 | 1.03 | 1.19 | 1.77 |
| 20017764 | 3 | 76.2 | 3.50 | 88.9 | 150 | 1.03 | 1.45 | 2.16 |
| 20050547 | 3½ | 88.9 | 4.04 | 102.6 | 150 | 1.03 | 1.70 | 2.53 |
| 20017767 | 4 | 101.6 | 4.52 | 114.8 | 150 | 1.03 | 1.91 | 2.84 |
| 20126041 | 6 | 152.4 | 6.63 | 168.4 | 150 | 1.03 | 3.41 | 5.07 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Equipment

Appendix

Plicord® Oilfield Frac



Product Specifications

Application

A rugged and flexible hose designed to convey crude oil and oil slurry mixtures for Frac tank connections. The Plicord® Oilfield Frac Hose has a yellow wear indicator over the fabric reinforcement for optimizing to maximum service life.

Construction

> Tube

Black nitrile

> Cover

Black Chemivic, smooth cover with wrapped finish; also available with ARC treatment for improved abrasion resistance

> Reinforcement

Multiple plies of synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech Oilfield Fracturing Hose

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedures. 543-710 Plicord® Oilfield Frac Hose with ARC cover requires a welded stem/ferrule with fish scale serration.

Order Codes

543-827

543-710 (ARC treatment)

Plicord® Oilfield Frac

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|--------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20118130 | 3 | 76.2 | 3.87 | 98.30 | 400 | 2.76 | 2.52 | 3.74 |
| 20018362 | 4 | 101.6 | 4.76 | 120.85 | 400 | 2.76 | 2.85 | 4.21 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Pyroflex® Hot Tar Wand



Product Specifications

Application

Pyroflex® Hot Tar Wand is a high-quality wand hose used in asphalt crack filling applicator and dispensing service.

Construction

> Tube

Black nitrile (special heat resistance)

> Cover

Black Wingprene® (wrapped finish) flame-retardant

> Reinforcement

Two spiral-ply steel wire

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Pyroflex® Hot Tar Wand Hose

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-632

Pyroflex® Hot Tar Wand

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20017982 | 3/4 | 19.1 | 1.33 | 33.8 | 300 | 2.07 | 0.64 | 0.95 |
| 20017987 | 1 | 25.4 | 1.61 | 40.9 | 300 | 2.07 | 0.84 | 1.25 |
| 20156594 | 1½ | 38.1 | 2.11 | 53.6 | 300 | 2.07 | 1.15 | 1.71 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Petro 150



Product Specifications

Application

A flexible and lightweight hose for use in tank truck and drilling operations to transfer diesel, ethanol, gasoline, oil and petroleum-based products. Smooth cover construction for lower drag coefficient and superior abrasion resistance. Up to 50% aromatic content.

Construction

> Tube

Black nitrile ARPM Class A (High Oil Resistance)

> Cover

Black smooth SBR (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech Prospector (Oil+Gas Logo) Petro 150 psi WP ##### Made in Canada (Red Spiral Stripe)

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog.

Order Codes

543-214

Prospector™ Petro 150

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|-------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20476798 | 1 | 25.4 | 1.398 | 35.5 | 150 | 1.03 | 2.5 | 64 | 29 | 737 | 0.49 | 0.73 |
| 20476799 | 1¼ | 31.8 | 1.65 | 41.9 | 150 | 1.03 | 3 | 76 | 29 | 737 | 0.63 | 0.93 |
| 20476860 | 1½ | 38.1 | 1.94 | 49.3 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.81 | 1.21 |
| 20476861 | 2 | 50.8 | 2.44 | 62.0 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.04 | 1.55 |
| 20476862 | 2½ | 63.5 | 2.99 | 76.1 | 150 | 1.03 | 7.5 | 191 | 29 | 737 | 1.48 | 2.21 |
| 20476863 | 3 | 76.2 | 3.54 | 89.9 | 150 | 1.03 | 9 | 229 | 29 | 737 | 1.91 | 2.85 |
| 20476864 | 4 | 101.6 | 4.57 | 116.1 | 150 | 1.03 | 12 | 305 | 29 | 737 | 2.67 | 3.97 |
| 20476865 | 6 | 152.4 | 6.73 | 170.9 | 150 | 1.03 | 30 | 762 | 29 | 737 | 5.57 | 8.29 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Transfer S&D



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge

- Washdown
- Garden

Welding

Coupling Systems

Equipment

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| | Page | Temp. Range | Refined Fuels | Corrugated Cover | Lightweight |
|---------------------------------------|------|------------------------------------|---------------|------------------|-------------|
| Arctic ExtremeFlex | 242 | -65°F to 180°F (-54°C to 82°C) | Yes | Yes | Yes |
| Flexwing VersaFuel | 244 | -30°F to 180°F (-35°C to 82°C) | Yes | | |
| Infinity Fuel Drop Hose | 248 | -40°F to 160°F (-40°C to 71°C) | Yes | Yes | Yes |
| Infinity HD Fuel Drop Hose | 247 | -40°F to 160°F (-40°C to 71°C) | Yes | Yes | Yes |
| LW Arctic Tank Truck | 243 | -65°F to 180°F (-54°C to 82°C) | | Yes | Yes |
| Paladin | 249 | -40°F to 160°F (-40°C to 71°C) | Yes | Yes | Yes |
| Plicord Arctic Flexwing | 241 | -65°F to 180°F (-54°C to 82°C) | Yes | | |
| Plicord ExtremeFlex | 234 | -40°F to 200°F (-40°C to 93°C) | Yes | Yes | Yes |
| Plicord Flexwing Petroleum | 233 | -35°F to 200°F (-37°C to 93°C) | Yes | | |
| Plicord LW Black Flextra II | 239 | -40°F to 180°F (-40°C to 82°C) | Yes | Yes | Yes |
| Plicord Super Black Flexwing | 238 | -35°F to 200°F (-37°C to 93°C) | Yes | | |
| Prospector Flex Oilfield | 237 | -25°F to 180°F (-36°C to 82°C) | | Yes | |
| Prospector Oilfield 150 | 236 | -25°F to 180°F (-32°C to 82°C) | | | |
| Prospector Oilfield 300 | 235 | -35°F to 180°F (-37°C to 82°C) | | | |
| Pyroflex Hot Tar & Asphalt II | 246 | -25°F to 350°F (-32°C to 177°C) | | | |
| Red Flextra 100 & 150 | 240 | -30°F to 180°F (-34°C to 82°C) | | | |
| Spiraflex Polyurethane Vapor Recovery | 250 | -30°F to 150°F (-35°C to 66°C) | | Yes | Yes |
| VersaFuel Flex | 245 | -30°F to 180°F (-34°C to 82°C) | Yes | Yes | Yes |

Plicord® Flexwing® Petroleum



Product Specifications

Application

Plicord® Flexwing® Petroleum is for use in tank truck and in-plant operations to transfer gasoline, oil, ethanol blends and other petroleum base products up to 50% aromatic content. It is designed for pressure, gravity flow or full-suction service. Newly redesigned for improved flexibility and a lighter weight construction for sizes up to and including 2½'.

Construction

> Tube

Nitrile synthetic rubber ARPM Class A (High Oil Resistance)

> Cover

Black synthetic rubber (oil resistant); smooth cover; wrapped impression

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Continental ContiTech Flexwing® Petroleum Hose 150 psi WP
CAUTION: ... ### Made in Canada (Red spiral stripe)

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to ContiTech INH Assembly Manual for crimp specs and coupling procedure.

Order Codes

543-109 (black)
543-110 (red)

Plicord® Flexwing® Petroleum

| SAP # | | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| Black | Red | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20138742 | | 1/2 | 12.7 | 0.97 | 24.6 | 150 | 1.03 | 1.5 | 38 | 29 | 737 | 0.35 | 0.52 |
| 20050548 | | 3/4 | 19.1 | 1.22 | 30.9 | 150 | 1.03 | 2.0 | 51 | 29 | 737 | 0.46 | 0.69 |
| 20017481 | 20392618 | 1 | 25.4 | 1.47 | 37.2 | 150 | 1.03 | 2.5 | 64 | 29 | 737 | 0.58 | 0.86 |
| 20017482 | | 1¼ | 31.8 | 1.72 | 43.7 | 150 | 1.03 | 3.0 | 76 | 29 | 737 | 0.73 | 1.08 |
| 20017488 | 20017532 | 1½ | 38.1 | 1.97 | 50.1 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 0.86 | 1.28 |
| 20050549 | | 1¾ | 45.1 | 2.25 | 57.1 | 150 | 1.03 | 4.5 | 114 | 29 | 737 | 1.00 | 1.49 |
| 20017496 | 20017537 | 2 | 50.8 | 2.47 | 62.8 | 150 | 1.03 | 5.0 | 127 | 29 | 737 | 1.11 | 1.65 |
| 20017502 | 20017541 | 2½ | 63.5 | 3.03 | 76.8 | 150 | 1.03 | 6.0 | 152 | 29 | 737 | 1.56 | 2.32 |
| 20017508 | 20017543 | 3 | 76.2 | 3.57 | 90.7 | 150 | 1.03 | 8.0 | 203 | 29 | 737 | 2.00 | 2.97 |
| 20017513 | | 3½ | 89.9 | 4.13 | 104.8 | 150 | 1.03 | 10.0 | 254 | 29 | 737 | 2.42 | 3.59 |
| 20017516 | 20017546 | 4 | 101.6 | 4.59 | 116.5 | 150 | 1.03 | 12.0 | 305 | 29 | 737 | 2.71 | 4.03 |
| 20070720 | | 5 | 127.0 | 5.74 | 145.9 | 150 | 1.03 | 20.0 | 508 | 29 | 737 | 4.53 | 6.74 |
| 20017526 | | 6 | 152.4 | 6.76 | 171.7 | 150 | 1.03 | 24.0 | 610 | 29 | 737 | 5.72 | 8.51 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

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Plicord® ExtremeFlex™ Petroleum Transfer



Product Specifications

Application

This hose is an extremely flexible and lightweight drop hose for use in tank truck and in-plant operation to transfer diesel, ethanol, gasoline, oil and petroleum-based products with up to 50% aromatic content. It has a corrugated construction for lower drag coefficient and superior abrasion resistance.

Construction

> Tube

Black nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Black Chemivic synthetic (corrugated)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 200°F (-40°C to 93°C)

Packaging

100' lengths, coiled and bagel-packed

Branding (Spiral)

Example: Plicord® ExtremeFlex™ Petroleum Transfer

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-216

Plicord® ExtremeFlex™ Petroleum Transfer

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20459042 | 3/4 | 19.1 | 1.20 | 30.5 | 250 | 1.72 | .75 | 19 | 29 | 737 | 0.44 | 0.65 |
| 20459043 | 1 | 25.4 | 1.45 | 36.8 | 250 | 1.72 | 1 | 25 | 29 | 737 | 0.55 | 0.81 |
| 20459044 | 1½ | 38.1 | 1.91 | 48.5 | 250 | 1.72 | 1.5 | 38 | 29 | 737 | 0.73 | 1.08 |
| 20459045 | 2 | 50.8 | 2.43 | 61.8 | 250 | 1.72 | 2 | 51 | 29 | 737 | 0.96 | 1.43 |
| 20459046 | 2½ | 63.5 | 3.00 | 76.1 | 200 | 1.37 | 2.5 | 64 | 29 | 737 | 1.41 | 2.10 |
| 20459047 | 3 | 76.2 | 3.50 | 88.8 | 200 | 1.37 | 3 | 76 | 29 | 737 | 1.69 | 2.51 |
| 20459048 | 4 | 101.6 | 4.56 | 115.7 | 150 | 1.03 | 4 | 101 | 29 | 737 | 2.42 | 3.61 |
| 20546328 | 6 | 152.4 | 6.62 | 168.4 | 150 | 1.03 | 6 | 152 | 29 | 737 | 4.43 | 2.01 |

Hose design ratio (burst pressure) 4:1.



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge

Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Oilfield 300



Product Specifications

Application

Prospector™ Oilfield 300 is for use in the transfer hose service to clean sediment from oil storage tanks and other general-service applications. The tube is an oil-resistant synthetic rubber. Do not use with gasoline and other refined products when the aromatic content exceeds 35%.

Construction

> Tube

Nitrile

> Cover

Black SBR

> Reinforcement

Spiral-plied fabric with wire helix

Temperature Range

-35°F to 180°F (-37°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Prospector™ Oilfield 300

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Stock Length

100'

Order Codes

543-098

Rating

300 psi and full vacuum

Prospector™ Oilfield 300

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20464301 | 2 | 51.1 | 2.5 | 64.3 | 300 | 2.07 | 4.5 | 114 | 29 | 737 | 1.21 | 0.17 |
| 20464302 | 3 | 76.1 | 3.0 | 90.8 | 300 | 2.07 | 7.0 | 178 | 29 | 737 | 1.97 | 0.27 |
| 20464303 | 4 | 102.1 | 4.7 | 119.7 | 300 | 2.07 | 10.0 | 254 | 29 | 737 | 3.16 | 0.44 |
| 20531361 | 5 | 127.4 | 5.9 | 150.3 | 300 | 2.07 | 20 | 508 | 29 | 737 | 5.34 | 0.74 |
| 20464305 | 6 | 152.4 | 6.9 | 175.4 | 300 | 2.07 | 24 | 610 | 29 | 737 | 6.66 | 0.91 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Oilfield 150



Product Specifications

Application

Prospector™ Oilfield 150 is for use in the transfer hose service to clean sediment from oil storage tanks and other general-service applications. The tube is an oil-resistant synthetic rubber. Do not use with gasoline and other refined products when the aromatic content exceeds 35%.

Construction

> Tube

Synthetic rubber

> Cover

Black SBR synthetic rubber (smooth cover)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Prospector™ Oilfield 150

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-655

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Prospector™ Oilfield 150

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|------|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20018018 | 1 | 25.4 | 1.49 | 37.8 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 0.64 | 0.95 |
| 20018020 | 1¼ | 31.75 | 1.74 | 44.2 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 0.77 | 1.14 |
| 20018023 | 1½ | 38.1 | 1.99 | 50.6 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 0.91 | 1.36 |
| 20018028 | 2 | 50.8 | 2.49 | 63.2 | 150 | 1.03 | 4.5 | 114 | 29 | 737 | 1.71 | 1.74 |
| 20018031 | 2½ | 63.5 | 3.01 | 76.4 | 150 | 1.03 | 5.75 | 146 | 29 | 737 | 1.48 | 2.20 |
| 20018034 | 3 | 76.2 | 3.54 | 89.9 | 150 | 1.03 | 7.0 | 178 | 29 | 737 | 1.91 | 2.84 |
| 20018037 | 4 | 101.6 | 4.59 | 116.5 | 150 | 1.03 | 10.0 | 254 | 29 | 737 | 2.82 | 4.19 |
| 20018042 | 6 | 152.4 | 6.76 | 171.7 | 150 | 1.03 | 19.0 | 483 | 29 | 737 | 5.75 | 8.56 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Prospector™ Flex Oilfield



Product Specifications

Application

Prospector™ Flex Oilfield is for use in the tank truck service industry including oilfield applications, handling crude oil, drilling mud and diesel fuels. It can be used for in-plant transfer of diluted industrial chemical and petroleum waste, sludge and sediments. It is not recommended for refined petroleum products or concentrated industrial chemicals. Do not use with gasoline and other refined products where the aromatic content exceeds 35%.

Construction

> Tube

Black nitrile/SBR tube

> Cover

Black SBR synthetic rubber, corrugated

> Reinforcement

Synthetic fabric plies with wire helix

Temperature Range

-25°F to 180°F (-36°C to 82°C)

Packaging

Coiled and poly-wrapped

Branding (Spiral)

Continental ContiTech Prospector™ Flex Oilfield 150 psi

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-456

Prospector™ Flex Oilfield

| SAP # | ID | | OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20493494 | 1 | 25.4 | 1.40 | 35.6 | 150 | 1.03 | 2.0 | 51 | 29 | 737 | 0.52 | 0.77 |
| 20493495 | 1¼ | 31.8 | 1.65 | 41.9 | 150 | 1.03 | 2.5 | 64 | 29 | 737 | 0.63 | 0.94 |
| 20561721 | 1½ | 38.1 | 1.94 | 49.2 | 150 | 1.03 | 3.0 | 76 | 29 | 737 | 0.78 | 1.16 |
| 20345623 | 2 | 50.8 | 2.44 | 61.9 | 150 | 1.03 | 4.0 | 102 | 29 | 737 | 1.01 | 1.50 |
| 20493496 | 2½ | 63.5 | 2.99 | 76.0 | 150 | 1.03 | 5.0 | 127 | 29 | 737 | 1.44 | 2.14 |
| 20345624 | 3 | 76.2 | 3.52 | 89.4 | 150 | 1.03 | 6.0 | 152 | 29 | 737 | 1.85 | 2.75 |
| 20345790 | 4 | 101.6 | 4.52 | 114.9 | 150 | 1.03 | 9.0 | 229 | 29 | 737 | 2.56 | 3.81 |
| 20355930 | 6 | 152.4 | 6.59 | 167.4 | 150 | 1.03 | 15.0 | 381 | 29 | 737 | 4.39 | 6.53 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Super Black Flexwing®



Product Specifications

Application

Plicord® Super Black Flexwing® is a premium high-pressure petroleum transfer hose for handling ethanol blends, gasoline, oils and other petroleum products with up to 50% aromatic content. It has a maximum working pressure of 300 psi.

Construction

> Tube

Special fuel-resistant black nitrile synthetic rubber (ARPM Class A) (High Oil Resistance)

> Cover

Black polychloroprene synthetic rubber, ARPM Class A (High Oil Resistance), wrapped finish

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Flexwing® Petroleum Hose

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-117 (6" diameter, 100' length)
543-117

Plicord® Super Black Flexwing®

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|-------|
| Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20472912 | ¾ | 19.1 | 1.28 | 32.5 | 300 | 2.07 | 2 | 51 | 29 | 737 | 0.57 | 0.85 |
| 20472913 | 1 | 25.4 | 1.53 | 38.9 | 300 | 2.07 | 3 | 75 | 29 | 737 | 0.70 | 1.04 |
| 20155914 | 1¼ | 31.8 | 1.87 | 47.1 | 300 | 2.07 | 4 | 100 | 29 | 737 | 0.99 | 1.48 |
| 20017550 | 1½ | 38.1 | 2.08 | 52.8 | 300 | 2.07 | 4 | 100 | 29 | 737 | 1.15 | 1.71 |
| 20017552 | 2 | 50.8 | 2.59 | 65.8 | 300 | 2.07 | 5 | 125 | 29 | 737 | 1.44 | 2.14 |
| 20017558 | 2½ | 63.5 | 3.11 | 79.0 | 300 | 2.07 | 6 | 150 | 29 | 737 | 1.84 | 2.74 |
| 20017560 | 3 | 76.2 | 3.65 | 92.7 | 300 | 2.07 | 7 | 175 | 29 | 737 | 2.39 | 3.56 |
| 20017564 | 4 | 101.6 | 4.83 | 122.7 | 300 | 2.07 | 10 | 254 | 29 | 737 | 3.76 | 5.60 |
| 20017568 | 5 | 127.0 | 5.87 | 149.0 | 300 | 2.07 | 20 | 500 | 29 | 737 | 5.10 | 7.60 |
| 20338990 | 6 | 152.4 | 7.21 | 183.3 | 300 | 2.07 | 24 | 600 | 29 | 737 | 8.46 | 12.60 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® LW Black Flextra II™



Product Specifications

Application

This hose is used by tank trucks, bulk petroleum stations and others to transfer ethanol blends and petroleum products under pressure, suction and/or gravity flow. It is extremely flexible and lightweight to provide excellent service. It is not recommended where aromatic content exceeds 50%.

Construction

> Tube

Black nitrile (ARPM Class A) (High Oil Resistance)

> Cover

Black Chemivic (corrugated)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech LW Black Flextra II™ 75 psi Max WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-562

Plicord® LW Black Flextra II™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017959 | 2 | 50.8 | 2.42 | 61.5 | 75 | 0.52 | 3 | 76 | 29 | 737 | 0.94 | 1.40 |
| 20017961 | 2½ | 63.5 | 2.92 | 74.2 | 75 | 0.52 | 4 | 102 | 29 | 737 | 1.22 | 1.82 |
| 20017962 | 3 | 76.2 | 3.40 | 86.4 | 75 | 0.52 | 4 | 102 | 29 | 737 | 1.39 | 2.07 |
| 20017965 | 4 | 101.6 | 4.53 | 115.1 | 75 | 0.52 | 7 | 178 | 29 | 737 | 2.37 | 3.53 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Red Flextra®



Product Specifications

Application

Red Flextra® is for the transfer of ethanol blends, gasoline and other petroleum-based products under pressure, gravity flow or full-suction where maximum flexibility is needed.

Construction

> Tube

Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Red Wingprene®, corrugated synthetic rubber, ARPM Class C (Low Oil Resistance)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Red Flextra® Made in Canada

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-120 (150)

543-123 (100)

Temperature Range

-30°F to 180°F (-34°C to 82°C)

Red Flextra® 100

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017589 | 2 | 50.8 | 2.38 | 60.3 | 100 | 0.69 | 4 | 102 | 29 | 737 | 0.83 | 1.09 |
| 20017593 | 2½ | 63.5 | 2.88 | 73.2 | 100 | 0.69 | 5 | 127 | 29 | 737 | 1.09 | 1.62 |
| 20017598 | 3 | 76.2 | 3.41 | 86.6 | 100 | 0.69 | 6 | 152 | 29 | 737 | 1.41 | 2.10 |
| 20017600 | 4 | 101.6 | 4.53 | 115.1 | 100 | 0.69 | 9 | 229 | 29 | 737 | 2.23 | 3.32 |

Hose design ratio (burst pressure) 4:1.

Red Flextra® 150

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017582 | 2 | 50.8 | 2.52 | 64.0 | 150 | 1.03 | 4 | 102 | 29 | 737 | 1.18 | 1.76 |
| 20017583 | 3 | 76.2 | 3.59 | 91.2 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.99 | 2.96 |
| 20017584 | 4 | 101.6 | 4.61 | 117.1 | 150 | 1.03 | 9 | 229 | 29 | 737 | 2.66 | 3.96 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Arctic Flexwing®



Product Specifications

Application

Plicord® Arctic Flexwing® is for use in low-temperature operations for transferring gasoline, oil and other petroleum products.

Construction

> Tube

Ultra-low-temperature oil-resistant synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Blue ultra-low-temperature synthetic rubber, ARPM Class A (High Oil Resistance) with red spiral stripe. Smooth cover, wrapped finish.

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-65°F to 180°F (-54°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Arctic Flexwing® 150 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-650

Plicord® Arctic Flexwing®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017996 | 1¼ | 31.8 | 1.73 | 43.9 | 150 | 1.03 | 3 | 80 | 29 | 737 | 0.66 | 0.98 |
| 20017997 | 1½ | 38.1 | 1.98 | 50.3 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.82 | 1.22 |
| 20018001 | 2 | 50.8 | 2.50 | 63.5 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.07 | 1.59 |
| 20018002 | 2½ | 63.5 | 3.09 | 78.5 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.64 | 2.44 |
| 20018004 | 3 | 76.2 | 3.58 | 90.9 | 150 | 1.03 | 7 | 178 | 29 | 737 | 1.92 | 2.86 |
| 20018005 | 4 | 101.6 | 4.70 | 119.4 | 150 | 1.03 | 10 | 254 | 29 | 737 | 2.88 | 4.29 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Arctic ExtremeFlex™

A New Degree of Flexibility



Product Specifications

Application

Arctic ExtremeFlex™ is an extremely flexible and lightweight drop hose for transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. It can maintain flexibility down to -65°F (-54°C).

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Corrugated black Wingprene® synthetic rubber (wrapped impression), blue spiral stripe

Corrugated blue Wingprene® synthetic rubber (wrapped impression), red spiral stripe

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-65°F to 180°F (-54°C to 82°C)

Packaging

Coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® Arctic ExtremeFlex™ Petroleum Transfer 150 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum order

Order Codes

543-451 (blue)
543-807 (black)

Arctic ExtremeFlex™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----------|------|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | Black | Blue | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20476228 | 20484433 | 2 | 51 | 2.50 | 63.5 | 150 | 1.03 | 2 | 51 | 29 | 737 | 1.08 | 1.61 |
| 20476229 | 20484435 | 3 | 76 | 3.48 | 88.5 | 150 | 1.03 | 3 | 76 | 29 | 737 | 1.62 | 2.41 |
| 20476250 | 20484436 | 4 | 102 | 4.55 | 115.7 | 150 | 1.03 | 4 | 102 | 29 | 737 | 2.35 | 3.50 |

Hose design ratio (burst pressure) 4:1.



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

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Appendix

LW Arctic Tank Truck



Product Specifications

Application

LW Arctic Tank Truck is for the transfer of petroleum-based products under suction, low-pressure discharge or gravity flow. It can maintain flexibility down to -65°F (-54°C).

Construction

> Tube

Black nitrile, ARPM Class A (High Oil Resistance)

> Cover

Blue Wingprene® (corrugated)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-65°F to 180°F (-54°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech LW Arctic Tank Truck 150 psi / 10 bar

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-365

LW Arctic Tank Truck

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017813 | 2 | 50.8 | 2.53 | 64.3 | 200 | 1.38 | 4 | 100 | 29 | 737 | 1.11 | 1.64 |
| 20117198 | 2½ | 63.5 | 3.02 | 76.7 | 150 | 1.03 | 5 | 125 | 29 | 737 | 1.42 | 2.11 |
| 20017814 | 3 | 76.2 | 3.55 | 90.2 | 150 | 1.03 | 6 | 150 | 29 | 737 | 1.83 | 2.72 |
| 20017815 | 4 | 101.6 | 4.61 | 117.1 | 150 | 1.03 | 9 | 225 | 29 | 737 | 2.62 | 3.90 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Flexwing® VersaFuel™



Product Specifications

Application

Flexwing® VersaFuel™ is for use in tank truck and in-plant operations to transfer diesel, biodiesel blends, B-100, ethanol blends, gasoline, oil and petroleum-based products with up to 60% aromatic content.

Construction

> Tube
Synthetic rubber (static dissipating)

> Cover
Black synthetic rubber with excellent resistance to biodiesel, ethanol, oil/petroleum products and abrasion

> Reinforcement
Spiral-plied synthetic fabric with helix wire

Temperature Range

-30°F to 180°F (-34°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped.

Branding (Spiral)

Example: Continental ContiTech Flexwing® VersaFuel™ 150 psi WP

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

400' minimum order

Order Codes

543-422

Flexwing® VersaFuel™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20339606 | 1 | 25.4 | 1.50 | 38.1 | 150 | 1.03 | 2 | 50 | 29 | 737 | 0.59 | 0.88 |
| 20339625 | 1¼ | 32.0 | 1.77 | 44.8 | 150 | 1.03 | 3 | 75 | 29 | 737 | 0.74 | 1.10 |
| 20339626 | 1½ | 38.0 | 2.03 | 51.7 | 150 | 1.03 | 4 | 100 | 29 | 737 | 0.92 | 1.37 |
| 20339628 | 2 | 51.2 | 2.55 | 64.9 | 150 | 1.03 | 5 | 125 | 29 | 737 | 1.21 | 1.80 |
| 20339627 | 2½ | 63.7 | 3.07 | 77.9 | 150 | 1.03 | 6 | 150 | 29 | 737 | 1.56 | 2.32 |
| 20339629 | 3 | 76.1 | 3.58 | 91.0 | 150 | 1.03 | 7 | 175 | 29 | 737 | 1.94 | 2.89 |
| 20339650 | 4 | 102.1 | 4.60 | 117.0 | 150 | 1.03 | 10 | 200 | 29 | 737 | 2.53 | 3.77 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

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Appendix

VersaFuel™ Flex



Product Specifications

Application

VersaFuel™ Flex is a flexible and lightweight hose designed to convey a multitude of new fuels. Used by tank trucks and bulk petroleum stations to transfer diesel, gasoline, biodiesel blends up to B100, ethanol blends up to E100 and petroleum-based products with up to 60% aromatic content. Full suction rating.

Construction

> Tube

EPDM synthetic rubber, peroxide cured, no zinc

> Cover

Black Chemivic synthetic rubber, corrugated

> Reinforcement

Spiral-plied synthetic fabric with helix wire

Temperature Range

-30°F to 180°F (-34°C to 82°C)

Packaging

Coiled and poly-wrapped.

Branding (Spiral)

Continental ContiTech VersaFuel™ Flex

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-636

VersaFuel™ Flex

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20459628 | 1 | 25.4 | 1.43 | 36.4 | 150 | 1.03 | 1 | 25.4 | 29 | 737 | 0.55 | 0.82 |
| 20459629 | 1½ | 38.1 | 1.94 | 49.4 | 150 | 1.03 | 1½ | 38.1 | 29 | 737 | 0.73 | 1.09 |
| 20459650 | 2 | 50.8 | 2.45 | 62.3 | 150 | 1.03 | 2 | 50.8 | 29 | 737 | 0.96 | 1.43 |
| 20459651 | 2½ | 63.5 | 3.00 | 76.3 | 150 | 1.03 | 2½ | 63.5 | 29 | 737 | 1.41 | 2.10 |
| 20459652 | 3 | 76.2 | 3.52 | 89.3 | 150 | 1.03 | 3 | 76.2 | 29 | 737 | 1.69 | 2.51 |
| 20459655 | 4 | 101.6 | 4.58 | 116.4 | 150 | 1.03 | 4 | 101.6 | 29 | 737 | 2.42 | 3.60 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Appendix

Pyroflex® Hot Tar & Asphalt II



Product Specifications

Application

This hose is for the transfer of high-temperature petroleum-based materials such as tar, asphalt and hot oils. It is suitable for suction and discharge service on tank trucks, tank cars or at bulk stations. It has a heat-resistant tube and aramid reinforcement (hot oils only rated to 200°F/93°C).

Construction

> Tube

Black nitrile (special heat-resistant) synthetic rubber, ARPM Class A (High Oil Resistance)

> Cover

Black Wingprene® synthetic rubber, ARPM Class A (High Oil Resistance) with spiral red stripe

> Reinforcement

Spiral-plied aramid with wire helix

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Pyroflex® Hot Tar & Asphalt II 150 psi

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-118

Pyroflex® Hot Tar & Asphalt II

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20017573 | 1½ | 38.1 | 2.08 | 52.8 | 150 | 1.03 | 4 | 102 | 29 | 737 | 1.04 | 1.55 |
| 20017574 | 2 | 50.8 | 2.60 | 66.0 | 150 | 1.03 | 5 | 127 | 29 | 737 | 1.33 | 1.98 |
| 20046059 | 2½ | 63.5 | 3.09 | 78.6 | 150 | 1.03 | 6 | 152 | 29 | 737 | 1.67 | 2.49 |
| 20017578 | 3 | 76.2 | 3.65 | 92.8 | 150 | 1.03 | 7 | 178 | 29 | 737 | 2.23 | 3.32 |
| 20017580 | 4 | 101.6 | 4.68 | 118.8 | 150 | 1.03 | 10 | 254 | 29 | 737 | 2.91 | 4.34 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

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Appendix

Infinity™ HD Fuel Drop Hose



Product Specifications

Application

This hose is constructed with the exclusive PVC double helix for superior flexibility, abrasion resistance and a low coefficient of friction for ease of maneuverability. Lightweight in construction, Infinity™ HD (Heavy Duty) is designed for higher working pressure applications (150 psi). It is suitable in gravity flow or medium suction at an ambient temperature. It is designed to transfer biodiesel and ethanol blends, gasoline and other petroleum products with an aromatic content of 60% or less.

Construction

> Tube

Black nitrile synthetic rubber (static dissipating)

> Cover

Synthetic fabric plies

> Reinforcement

Black Chemivac synthetic rubber with double orange Pliovic® outer helix

Temperature Range

-40°F to 160°F (-40°C to 71°C)

Packaging

Coiled and poly-wrapped. For cut length, check with your ContiTech authorized distributor.

Branding

Infinity™ HD Drop Hose 150 psi Continental ContiTech

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog.

Order Codes

543-138

Infinity™ HD Fuel Drop Hose

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20439969 | 2 | 51.0 | 2.80 | 70.50 | 150 | 1.03 | 1.5 | 38.1 | 23 | 584 | 1.01 | 1.51 |
| 20439980 | 3 | 76.0 | 3.80 | 95.90 | 150 | 1.03 | 2.0 | 50.8 | 23 | 584 | 1.48 | 2.21 |
| 20439981 | 4 | 102.0 | 4.80 | 122.5 | 150 | 1.03 | 3.0 | 76.2 | 23 | 584 | 2.01 | 2.99 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Infinity™ Fuel Drop Hose



Product Specifications

Application

The Infinity™ Fuel Drop Hose is constructed with the exclusive PVC double helix for superior flexibility, abrasion resistance and a low coefficient of friction for ease of maneuverability. Lightweight in construction, it is designed to transfer biodiesel and ethanol blends, gasoline and other petroleum products under pressure, gravity flow or medium suction (up to 23" Hg) at an ambient temperature and with an aromatic content of 60% or less.

Construction

> Tube

Black nitrile synthetic rubber (static dissipating)

> Cover

Black Chemivic synthetic rubber with orange & green

Pliovic® outer helix

> Reinforcement

Synthetic fabric plies with static wire

Temperature Range

-40°F to 160°F (-40°C to 71°C)

Packaging

Coiled and poly-wrapped. For cut length, check with your ContiTech distributors.

Branding

Example: Infinity™ Drop Hose Continental ContiTech

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-773

Infinity™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20414700 | 2 | 51.0 | 2.80 | 70.50 | 150 | 1.03 | 1.5 | 1.02 | 23 | 584 | 1.02 | 1.52 |
| 20414701 | 3 | 76.0 | 3.80 | 95.48 | 100 | 0.69 | 2.0 | 1.46 | 23 | 584 | 1.46 | 2.18 |
| 20414702 | 4 | 102.0 | 4.80 | 121.5 | 75 | 0.52 | 2.5 | 1.73 | 23 | 584 | 1.73 | 2.57 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Paladin®



Product Specifications

Application

Paladin® is designed as a lightweight and flexible hose to transfer biodiesel and ethanol blends, gasoline and other petroleum products under pressure, gravity flow or medium suction (up to 23" Hg) at ambient temperature. Maximum aromatic content should not exceed 60%. Its outer PVC helix provides abrasion resistance and a low coefficient of friction, with antistatic wire (low resistance).

Construction

> Tube

Black nitrile synthetic rubber (static dissipating)

> Cover

Black Chemivac synthetic rubber with orange Pliovic® outer helix

> Reinforcement

Synthetic fabric plies

Temperature Range

-40°F to 160°F (-40°C to 71°C)

Packaging

100' lengths, coiled and bagel-packed

Branding

Example: Continental ContiTech Paladin® Drop Hose (Date Code) Made in Canada

Couplings

Use ContiTech Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

543-227

Paladin®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20130856 | 2 | 50.8 | 2.87 | 72.9 | 150 | 1.03 | 2 | 51 | 23 | 584 | 1.04 | 1.55 |
| 20130857 | 3 | 76.2 | 3.92 | 99.6 | 150 | 1.03 | 3 | 76 | 23 | 584 | 1.58 | 2.35 |
| 20131000 | 4 | 101.6 | 4.85 | 123.2 | 75 | 0.52 | 5 | 127 | 23 | 584 | 1.94 | 2.89 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Polyurethane Vapor Recovery



Product Specifications

Application

This hose is for the recovery of gasoline vapors in tank truck loading at bulk terminals and in tank truck unloading at service stations.

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-465 (without static wire)
586-468 (static wire)

Construction

> Tube

Transparent polyurethane

> Cover

Transparent polyurethane

> Reinforcement

Red rigid Pliovic® helix, available with static wire placed between the tube and cover

Temperature Range

-30°F to 150°F (-34°C to 66°C)

Spiraflex® Polyurethane Vapor Recovery

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Weight | | Vacuum HG | | | |
|-------------------|-------------|---------|-------|---------|-------|-------------|------|--------|-----|-----------|------|------|-----|
| W/out Static Wire | Static Wire | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m | in. | mm |
| 20562108 | 20013586 | 2 | 50.8 | 2.47 | 62.7 | 30 | 0.21 | 3 | 76 | 0.57 | 0.85 | 29.0 | 737 |
| 20013561 | 20013587 | 3 | 76.2 | 3.41 | 86.6 | 20 | 0.14 | 4 | 102 | 0.68 | 1.01 | 29.0 | 737 |
| 20013562 | 20013588 | 4 | 101.6 | 4.51 | 114.6 | 15 | 0.10 | 7 | 178 | 0.98 | 1.46 | | |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Alternative Fuel Compatibility For Tubes and Covers Of ContiTech Fuel Transfer Hoses

Compatibility by Product

All ContiTech Fuel Transfer Hoses are compatible with gasoline and diesel

Hose Tube & Cover Compatibility Ethanol & Biodiesel

| Product | Product Code | Aromatic Content | E-100 100% Ethanol | E-85 85% Ethanol | E-15 15% Ethanol | B-100 100% Biodiesel | B-50 50% Biodiesel | B-20 20% Biodiesel |
|---------------------------------|--------------|------------------|--------------------------|------------------------|------------------------|----------------------------|--------------------------|--------------------------|
| Flexwing VersaFuel | 543-422 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover |
| Flexwing VersaFuel Flex | 543-636 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover |
| Infinity | 543-773 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover |
| Infinity HD | 543-138 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover |
| LW Arctic Tank Truck | 543-365 | 50% | Tube & Cover | Tube & Cover | No | No | No | No |
| Paladin | 543-227 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover | Tube & Cover |
| Plicord Arctic Flexwing | 543-650 | 50% | Tube & Cover | Tube & Cover | No | No | No | No |
| Plicord ExtremeFlex | 543-216 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Plicord Flexwing Petroleum | 543-109 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Plicord Fuel Discharge | 543-331 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Plicord LW Black Flextra II | 543-562 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Plicord Super Black Flexwing | 543-117 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Red Flextra 100 | 543-123 | 60% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |
| Red Flextra 150 | 543-120 | 50% | Tube & Cover | Tube & Cover | Tube & Cover | No | No | No |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

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Equipment

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Specialty



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Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

LPG Delivery Pro™ Premade Factory Assemblies



Product Specifications

Application

LPG Delivery Pro™ is for residential and commercial delivery/transfer of liquid propane gas. It has excellent cold weather flexibility, a smooth cover for low drag resistance and a low extraction tube to reduce contamination. This hose meets UL, CGA and DOT requirements - the only UL-Listed LPG bobtail transfer assembly available on the market. All hoses are approved for use in LPG bobtail delivery, LPG dispensing and LPG industrial portable heater applications only. Additional applications require prior approval. **Not for LP appliances or other consumer applications.**

Construction

> Tube

Black nitrile

> Cover

Synthetic rubber

> Reinforcement

Four textile spiral reinforced

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

Coupled assemblies, carton packaged with test certificates

Branding

Example: 1" (25.4 mm) LPG Delivery Pro™ CGA Type 1 LPG-Hose Issue No. E-8167 350 psi (2.4 MPa) Max WP Made in USA

Couplings

Male NPT, factory-installed crimped fittings

Order Codes

581-412

LPG Delivery Pro™ Call customer service or field sales for additional lengths.

| SAP # | Length | | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|--------|-----|------|------|---------|-----|---------|---------|--------|--|
| | ft. | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m | |
| 20581706 | 100 | 1/2 | 12.7 | 0.93 | 23.6 | 350 | 2.41 | 0.25 | 0.37 | |
| 20487242 | 150 | 3/4 | 19.1 | 1.23 | 31.2 | 350 | 2.41 | 0.38 | 0.57 | |
| 20458416 | 150 | 1 | 25.4 | 1.49 | 37.8 | 350 | 2.41 | 0.51 | 0.76 | |
| 20943899 | 100 | 1¼ | 31.8 | 1.79 | 45.6 | 350 | 2.41 | 0.67 | 1.00 | |
| 20796315 | 125 | 1½ | 38.1 | 2.04 | 51.8 | 350 | 2.41 | 0.78 | 1.16 | |

Hose design ratio (burst pressure) 5:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

LPG Delivery Pro™



Product Specifications

Application

LPG Deliver Pro™ is for residential and commercial delivery/transfer of liquid propane gas, LPG dispensing and LPG portable heaters. It has excellent cold weather flexibility, a smooth cover for low drag resistance and a low extraction tube to reduce contamination. This hose meets UL, CGA and DOT requirements. Additional applications require prior approval. **Not for LP appliances or other consumer applications.**

Construction

> Tube

Black nitrile

> Cover

Synthetic rubber

> Reinforcement

Four textile spiral reinforced

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

ContiTech Industrial STAR Distributor LPG Bulk Packaging:

1/2": 500' reels, maximum 3 pieces, 50' increments

3/4": 500' reels, maximum 3 pieces, 50' increments

1": 450' reels, maximum 3 pieces, 50' increments

1¼": 400' reels, maximum 3 pieces, 50' increments

1½": 300' reels, maximum 3 pieces, 50' increments

Note: UL Approved factory assemblies also available.

Contact customer service for pricing and order codes.

Branding

Example: 1" (25.4 mm) LPG Delivery Pro™ CGA Type 1 LPG-Hose Issue No. E-8167 350 psi (2.4 MPa) Max WP Made in USA

Couplings

For STAR Distributors, please refer to LPG Delivery Pro™ crimp specs and use ContiTech approved male NPT fittings. Premade factory assemblies are also available.

Order Codes

595-042

LPG Delivery Pro™

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20640184 | 1/2 | 12.7 | 0.93 | 23.6 | 350 | 2.41 | 0.25 | 0.37 |
| 20640185 | 3/4 | 19.1 | 1.23 | 31.2 | 350 | 2.41 | 0.38 | 0.57 |
| 20889288 | 1 | 25.4 | 1.49 | 37.8 | 350 | 2.41 | 0.51 | 0.76 |
| 20942586 | 1¼ | 31.8 | 1.79 | 45.6 | 350 | 2.41 | 0.67 | 1.00 |
| 20933077 | 1½ | 38.1 | 2.04 | 51.8 | 350 | 2.41 | 0.78 | 1.16 |

Hose design ratio (burst pressure) 5:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Fire Engine Booster



Product Specifications

Application

Fire Engine Booster is for use in high-pressure fire engine booster services. It also has many applications in other heavy-duty industrial and municipal operations.

Construction

> Tube

Synthetic rubber

> Cover

Red synthetic rubber

> Reinforcement

Two braided synthetic yarn

Temperature Range

0°F to 180°F (-18°C to 82°C)

Packaging

Cartons: 1000' (50' increments)

Cut lengths: 50' (2 pieces); 100' (1 piece)

Coupled lengths: 50' (2 pieces); 100' (1 piece)

Branding

Example: Continental ContiTech Fire Engine Booster

Made in USA

Couplings



Coupled assemblies available.

Order Codes

536-382

Fire Engine Booster

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023056 | 3/4 | 19.1 | 1.25 | 31.8 | 800 | 5.52 | 0.42 | 0.62 |
| 20023068 | 1 | 25.4 | 1.53 | 38.9 | 800 | 5.52 | 0.57 | 0.85 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

NR Spray



Product Specifications

Application

NR Spray is a premium-quality, all-purpose hose for handling a variety of applications such as paint spray or agricultural spray. It can handle spraying paints, automotive finish paints, lacquers, thinners, turpentine, air, oil and a large variety of solvents and chemicals.

Construction

> Tube

Nylon, silicone-free

> Cover

Black synthetic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Braided synthetic yarn (1/4" and 3/8"- 1-braid) (1/2", 3/4" and 1"- 2-braid)

Temperature Range

0°F to 190°F (-18°C to 88°C)

Packaging

500' reels, maximum 3 pieces, 50' minimum

Branding

Example: Continental ContiTech 1/4" IBD NR Spray
Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

536-290

NR Spray

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20022944 | 1/4 | 6.4 | 0.49 | 12.4 | 750 | 5.17 | 0.08 | 0.12 |
| 20106900 | 5/16 | 7.9 | 0.61 | 15.5 | 750 | 5.17 | 0.13 | 0.19 |
| 20022951 | 3/8 | 9.5 | 0.70 | 17.8 | 750 | 5.17 | 0.15 | 0.22 |
| 20022962 | 1/2 | 12.7 | 0.87 | 22.1 | 750 | 5.17 | 0.22 | 0.33 |
| 20022967 | 5/8 | 15.9 | 1.05 | 26.7 | 750 | 5.17 | 0.31 | 0.46 |
| 20022969 | 3/4 | 19.1 | 1.19 | 30.2 | 750 | 5.17 | 0.36 | 0.54 |
| 20022976 | 1 | 25.4 | 1.51 | 38.4 | 750 | 5.17 | 0.54 | 0.80 |

Hose design ratio (burst pressure) 4:1.

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

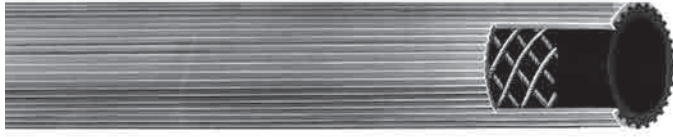
Welding

Coupling Systems

Equipment

Appendix

Pliovic® AG Spray



Product Specifications

Application

Pliovic® AG Spray is a lightweight, economical high-pressure hose for carrying air, water and many spray solutions in agricultural applications, including Xylene (up to a 10% concentration).

Construction

> Tube

Pliovic®, ARPM Class B (Medium Oil Resistance)

> Cover

Orange or green Pliovic® (ribbed finish)

> Reinforcement

Spiral synthetic yarn

Temperature Range

0°F to 158°F (-18°C to 70°C)

Pliovic® 1800 (Orange)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012638 | 3/8 | 9.5 | 0.69 | 17.5 | 600 | 4.14 | 0.14 | 0.21 |
| 20012641 | 1/2 | 12.7 | 0.78 | 19.8 | 600 | 4.14 | 0.19 | 0.28 |
| 20012643 | 3/4 | 19.1 | 1.10 | 27.9 | 600 | 4.14 | 0.28 | 0.42 |

Hose design ratio (burst pressure) 3:1.

Pliovic® 2400 (Green)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012626 | 3/8 | 9.5 | 0.70 | 17.8 | 800 | 5.52 | 0.14 | 0.21 |
| 20012632 | 1/2 | 12.7 | 0.85 | 21.6 | 800 | 5.52 | 0.20 | 0.30 |
| 20012635 | 3/4 | 19.1 | 1.10 | 27.9 | 800 | 5.52 | 0.28 | 0.42 |

Hose design ratio (burst pressure) 3:1.

Packaging

300' lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Pliovic® 1800 Spray
1/2" (12.7 mm) Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

540-208 (2400 green)

540-211 (1800 orange)

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Nitrogen Service Hose



Product Specifications

Application

Nitrogen Service Hose is for in-plant nitrogen service at petrochemical, refineries and general manufacturing.

Construction

> Tube

EPDM synthetic rubber

> Cover

EPDM synthetic rubber

> Reinforcement

Four-spiral polyester

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Continental ContiTech 3/4" ID 300 psi WP Nitrogen Service Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-516 (yellow)

569-562 (blue)

569-559 (black)

569-560 (green)

Nitrogen Service Hose

| SAP # | ID | | | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|----------|----------|-------|---------|------|---------|-----|--------|------|---------|
| | Yellow | Blue | Black | Green | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20026847 | 20315149 | 20463406 | 20867824 | 3/4 | 19.1 | 1.15 | 29.2 | 300 | 2.07 | 0.42 | 0.62 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Hydrocarbon Drain Hose® - Braided



Product Specifications

Application

This is a heavy-duty hose designed for hydrocarbon drain service. It is designed to clean out the hot residue created during steam cleaning and withstand harsh high heat and oil environments.

Construction

> Tube

Black nitrile

> Cover

Blue Chlorosulfonated Polyethylene

> Reinforcement

One-wire braid

Temperature Range

-40°F to 275°F (-40°C to 135°C)

Packaging

50' lengths

Branding

Continental ContiTech Hydrocarbon Drain Hose® 300 psi with green layline

Couplings

For 3/4": Premade factory assemblies and crimp specs available using ContiTech's one-piece non-skive B2-NPM-1212 hydraulic series fittings. Refer to the Industrial Hose Assembly Manual for crimp specifications. Also recommended are Campbell Fittings air hammer couplings to ensure a dedicated line for hydrocarbon use only.

Order Codes

547-819

547-816 (green)

Hydrocarbon Drain Hose® - Braided

| SAP # | ID | | OD | | Max. WP | | Weight | | |
|----------|----------|-------|------|------|---------|-----|--------|------|---------|
| | Blue | Green | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20177678 | 20276495 | 3/4 | 19.1 | 1.10 | 27.94 | 300 | 0.43 | 0.14 | 0.21 |
| 20221522 | | 1 | 25.4 | 1.42 | 36.07 | 300 | 0.69 | 0.20 | 0.30 |

Hose design ratio (burst pressure) 10:1.

Note: Not designed for steam service. Use Flexsteel® 250 Steam for steam service requirements.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Hydrocarbon Drain Hose® - Hand Built



Product Specifications

Application

This is a heavy-duty hose designed for use in hydrocarbon drain service.

Construction

> Tube

Black nitrile

> Cover

Blue Wingprene®

> Reinforcement

Two spiral-plied steel wires

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Continental ContiTech Hydrocarbon Drain Hose® 300 psi

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

543-729

Hydrocarbon Drain Hose®

| SAP # | ID | OD | | Max. WP | Weight | |
|----------|-----|------|------|---------|--------|---------|
| Blue | in. | mm | in. | mm | psi | lb./ft. |
| 20264356 | 3/4 | 19.1 | 1.33 | 33.86 | 300 | 0.63 |
| 20467694 | 1 | 25.4 | 1.58 | 40.14 | 300 | 0.78 |
| 20326679 | 1½ | 38.1 | 2.25 | 57.2 | 300 | 1.57 |
| 20276441 | 2 | 50.8 | 2.77 | 70.36 | 300 | 2.01 |

Hose design ratio (burst pressure) 8:1.

Note: Not recommended for steam service.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

DEF Transfer Hose - Hand Built



Product Specifications

Application

DEF Transfer Hose is specifically designed to convey the high-purity, aqueous urea solution DEF.

Construction

> Tube

Pliosyn™ Ultra-High Molecular Weight Polyethylene (UHMWPE) with proprietary backing. Tube tested per ISO 22241-2 immersion test at independent lab to confirm compatibility with DEF aqueous solution.

> Cover

Black corrugated EPDM

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

100' lengths

Branding

Example: Continental ContiTech DEF Transfer Hose 3/4" (19.1 mm) Made in Canada

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

546-552

DEF Transfer Hose - Hand Built

| SAP # | ID | | Nom. OD | | Max. WP | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|------|---------|------|---------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | in. | mm | in. | mm | lb./ft. | kg/m |
| 20741106 | 1 | 25.4 | 1.45 | 37.3 | 250 | 4 | 102 | 29 | 737 | 0.42 | 0.89 |
| 20738416 | 1½ | 38.1 | 1.97 | 50.0 | 250 | 5 | 127 | 29 | 737 | 0.84 | 1.25 |
| 20738464 | 2 | 50.8 | 2.55 | 64.8 | 250 | 6 | 152 | 29 | 737 | 1.22 | 1.82 |
| 20738465 | 3 | 76.2 | 3.63 | 92.2 | 250 | 9 | 229 | 29 | 737 | 2.11 | 3.14 |

Hose design ratio (burst pressure) 4:1. *Alternate packaging specs are available upon request.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

DEF Transfer Hose - Braided



Product Specifications

Application

DEF Transfer Hose - Braided has superior compounding which is specifically designed to convey Diesel Exhaust Fluid, a high-purity, aqueous urea solution. The braided construction is engineered to reduce kinking and twisting in reeling applications.

Construction

> Tube

Specially formulated low-extraction EPDM, peroxide cured

> Cover

Black specially formulated EPDM

> Reinforcement

Two-braid textile

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

100' lengths

Branding

Continental ContiTech DEF Transfer Hose 1½" (38.1 mm) Made in USA

Order Codes

532-019

DEF Transfer Hose - Braided

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20531743 | 1½ | 38.1 | 2.01 | 53.2 | 250 | 1.72 | 0.81 | 1.21 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Steam



| | Page | Temp. Range | Smooth Cover | Wrapped Cover | Colors | Crimped Assembly |
|------------------------------|------|----------------|--------------|---------------|---------------|------------------|
| Crimped Steam Assembly | 266 | -40°F to 450°F | Yes | Yes | Red/ Black | Yes |
| DAMPF Trix 6000 Steam | 272 | Max. 428°F | | Yes | Black | |
| Flexsteel 250 CB Extreme | 268 | -40°F to 425°F | | Yes | Red/ Black | Yes |
| Flexsteel 250 CB Steam | 267 | -40°F to 425°F | | Yes | Red/ Black | |
| Flexsteel 250 EPDM-20 | 264 | -40°F to 450°F | | Yes | Red | Yes |
| Flexsteel 250 ORS Steam | 269 | 0°F to 425°F | | Yes | Black | Yes |
| Flexsteel 250 Steam | 265 | -40°F to 450°F | Yes | Yes | Red/ Black | Yes |
| Heavy Duty Steam Pile Driver | 271 | -40°F to 406°F | | Yes | Red/ Black | |
| MIL-DTL-29210E Steam | 273 | 0°F to 406°F | | Yes | Black | |
| Plicord 250 Steam | 270 | 0°F to 406°F | | Yes | Red/ Black | |

Refer to ARPM IP-11-1 as a guide for use, testing, and inspection of Steam Hose.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® 250 EPDM-20



Product Specifications

Application

The Flexsteel® 250 EPDM-20 features the superior performance of the Flexsteel 250 Steam Hose series enhanced with the increased design ratio of 20:1. This exceeds the ARPM safety standard and makes steam operations more secure and user-friendly. The hose has a maximum operating pressure of 250 psi with a temperature range of -40°F to 450°F.

Construction

> Tube

Pyrosyn® synthetic rubber

> Cover

Red wrapped Pyrosyn®, pin-pricked

> Reinforcement

Braided steel wire (3/4" and larger have 2 steel wire braids)

Temperature Range

-40°F to 450°F (-40°C to 232°C)

Packaging

Bulk, cut lengths, coupled assemblies

Branding

Example: Continental ContiTech Flexsteel® 250 EPDM-20 Steam 250 psi. Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-486

Flexsteel® 250 EPDM-20

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20559161 | 3/4 | 19.1 | 1.28 | 32.5 | 250 | 1.72 | 0.59 | 0.83 |
| 20736602 | 1 | 25.4 | 1.63 | 41.4 | 250 | 1.72 | 0.95 | 1.43 |

Hose design ratio (burst pressure) 20:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® 250 Steam



Product Specifications

Application

Flexsteel® 250 is for cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Pyrosyn® synthetic rubber

> Cover

Black or red Pyrosyn® finish, pin-pricked

> Reinforcement

One or two steel wire braids

Temperature Range

-40°F to 450°F (-40°C to 232°C)

Packaging

Reels or 50' cut lengths (1/2" - 4 per box, 3/4" - 3 per box, 1" - 2 per box)

Branding

Example: Continental ContiTech Flexsteel® 250 Steam
Max WP 250 psi Made in USA

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

- 539-070 (black)
- 539-076 (red)
- 539-470 (black wrapped)
- 539-476 (red wrapped)
- 559-201 (2" black wrapped)
- 559-202 (2" red wrapped)

Flexsteel® 250 Steam

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | | | |
|----------|----------|---------------|-------------|---------|------|---------|------|--------|------|---------|------|
| Black | Red | Black Wrapped | Red Wrapped | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023390 | 20136859 | 20575082 | 20767531 | 1/2 | 12.7 | 1.06 | 26.9 | 250 | 1.72 | 0.45 | 0.67 |
| 20023401 | 20023462 | 20757055 | 20757277 | 3/4 | 19.1 | 1.28 | 32.5 | 250 | 1.72 | 0.56 | 0.83 |
| 20023419 | 20024994 | 20760526 | 20590425 | 1 | 25.4 | 1.63 | 41.4 | 250 | 1.72 | 0.91 | 1.35 |
| | | 20615488 | 20620044 | 1¼ | 31.8 | 1.88 | 47.8 | 250 | 1.72 | 1.02 | 1.52 |
| | | 20575082 | 20620048 | 1½ | 38.1 | 2.12 | 53.8 | 250 | 1.72 | 1.23 | 1.83 |
| | | 20766307 | 20766308 | 2 | 50.8 | 2.58 | 65.5 | 250 | 1.72 | 1.60 | 2.38 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Crimped Steam Assembly



Product Specifications

Application

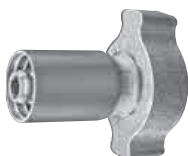
Coupling assembly crimps permanently onto hose, forming a tight crimp that reduces leaks and eliminates bulky bolt clamps while reducing potential for damage from snagging on personnel or property.

Recommended Crimp Diameters for ContiTech Branded Steam Hose

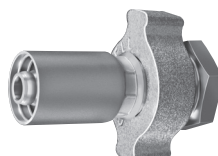
| Hose Description | Hose Order Code | Hose ID | Female Ground Joint Profile Unit | Female Ground Joint Wing Nut | Male NPT | Male NPT Swivel | Crimp Dia. | ContiTech Perma-Crimp Die Set | Approx. Setting |
|--|----------------------------|---------|----------------------------------|------------------------------|----------|-----------------|------------|-------------------------------|-----------------|
| Flexsteel 250 (Red Wrapped) | 539-476-016 | 1/2" | NA | GJS-2V | IMS-2V | NA | 1.22" | 27 | 3.99 |
| Flexsteel 250 (Black and Red Smooth) | 539-070-024 539-076-024 | 3/4" | RGJS-3V | GJS-3V | IMS-3V | IMS-3VSW | 1.44" | 34 | 2.58 |
| Flexsteel 250 (Black and Red wrapped) | 539-470-024 539-476-024 | 3/4" | RGJS-3V | GJS-3V | IMS-3V | IMS-3VSW | 1.44" | 34 | 2.58 |
| Flexsteel 250 (Black and Red Smooth) | 539-070-032 539-076-032 | 1" | RGJS-4V | GJS-4V | IMS-4V | IMS-4VSW | 1.93" | 45 | 3.90 |
| Flexsteel 250 (Black and Red Wrapped) | 539-470-032 539-476-032 | 1" | RGJS-4V | GJS-4V | IMS-4V | IMS-4VSW | 1.90" | 45 | 3.26 |
| Flexsteel 250 (Black and Red Wrapped) | 559-201-510 559-202-510 | 2" | RGJS-8V | GJS-8V | IMS-8V | NA | 2.92" | 74 | 0.17 |
| Flexsteel 250 EPDM20 (Red Wrapped) | 539-486-024 | 3/4" | RGJS-3V | GJS-3V | IMS-3V | IMS-3VSW | 1.42" | 34 | 2.07 |
| Flexsteel 250 EPDM20 (Red Wrapped) | 539-486-032 | 1" | RGJS-4V | GJS-4V | IMS-4V | IMS-4VSW | 1.90" | 45 | 3.26 |
| Flexsteel 250 CB Extreme (Black and Red Wrapped) | 539-870-024 539-876-024 | 3/4" | RGJS-3V | GJS-3V | IMS-3V | IMS-3VSW | 1.43" | 34 | 2.32 |

Hose design ratio (burst pressure) 10:1.

Female Wing Nut



Female Wing Nut with Female NPT Spud

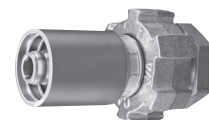


Male NPT Swivel



Available as Male NPT

Female Low Profile Nut with Female NPT Spud



Flexsteel® 250 CB Steam



Product Specifications

Application

Flexsteel® 250 DB is used for cleaning, heat control, fire prevention, pumping, thawing, blowout service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Chlorobutyl synthetic rubber

> Cover

Red or black Pyrosyn® synthetic rubber, pin-pricked

> Reinforcement

Braided steel wire (3/4" and higher have two steel wire braids)

Temperature Range

-40°F to 425°F (-40°C to 218°C)

Packaging

Wrapped cover:

1/2" - Four 50' exact length/box

3/4"-1" - Three 50' exact length/box

1¼"-2" - One 50' exact length/box

Branding

Example: Continental ContiTech Flexsteel® 250 CB Steam
Max WP 250 psi Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

539-170 (1/2"-1" black)

539-176 (1/2"-1" red)

581-176 (1¼"-2" red)

Flexsteel® 250 CB Steam WF (Wrapped Finish)

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | | |
|----------|----------|-------|---------|------|---------|------|--------|------|---------|------|
| | Red | Black | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20050829 | | | 1/2 | 12.7 | 1.00 | 25.4 | 250 | 1.72 | 0.40 | 0.60 |
| 20024094 | 20050195 | | 3/4 | 19.1 | 1.31 | 33.3 | 250 | 1.72 | 0.64 | 0.95 |
| 20045991 | | | 1 | 25.4 | 1.56 | 39.6 | 250 | 1.72 | 0.77 | 1.15 |
| 20045770 | | | 1¼ | 31.8 | 1.75 | 44.5 | 250 | 1.72 | 1.06 | 1.58 |
| 20046224 | | | 1½ | 38.1 | 2.00 | 50.8 | 250 | 1.72 | 1.42 | 2.11 |
| 20046225 | | | 2 | 50.8 | 2.50 | 63.5 | 250 | 1.72 | 1.71 | 2.54 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® 250 CB Extreme Crimp Steam Hose



Product Specifications

Application

ContiTech is pleased to announce the Flexsteel® 250 CB Extreme Crimp Steam Hose, the only ContiTech chlorobutyl steam hose with an enhanced over-the-cover crimp coupling solution. The hose is rated to a maximum operating pressure of 250 psi, and its temperature range is -40°F to 425°F (-40°C to 218°C), up to 450°F intermittent, with a 10:1 design ratio.

Construction

> Tube

Chlorobutyl synthetic rubber

> Cover

Red or black Pyrosyn®, pin-pricked

> Reinforcement

Two-braid steel wire

Temperature Range

-40°F to 425°F (-40°C to 218°C), up to 450°F intermittent

Packaging

Reels, cut lengths and coupled assemblies

Branding

Example: Continental ContiTech Flexsteel® 250 CB Extreme Crimp Steam Drain after using Made in USA

Order Codes

539-870-024 (black)

539-876-024 (red)

Flexsteel 250 CB Extreme Crimp Steam Hose

| SAP # | | ID | | OD | | Max. WP | | Weight | |
|----------|----------|-----|------|------|------|---------|------|---------|------|
| Black | Red | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20637404 | 20645689 | 3/4 | 19.1 | 1.28 | 32.5 | 250 | 1.72 | 250 | 1.72 |

| Hose ID | Campbell Ground Joint Viton Seal Setting Low Profile Nut | Campbell Ground Joint Viton Seal Female NPT Spud Wing Nut | Campbell Male NPT | Campbell Male Male NPT Swivel | Crimp Diameter | Die Set | Approx. Setting |
|---------|--|---|-------------------|-------------------------------|----------------|---------|-----------------|
| 3/4" | RGJF-3V | GJF-3V | IMS-3V | IMS-3VSW | 1.43 | 34 | 2.32 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® 250 ORS Steam



Product Specifications

Application

The Flexsteel® 250 ORS Steam offers all the performance features of the Flexsteel® 250 Steam with the added benefit of improved oil resistance in the cover. Excellent for steam hose applications where the cover may be exposed to oil intermittently. Applications include cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Black EPDM rubber

> Cover

Wrapped black oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance), pin-pricked

> Reinforcement

Two-braid steel wire

Temperature Range

0°F to 425°F (-18°C to 218°C)

Packaging

Reels or 50' cut lengths

Branding

Example: Continental ContiTech 3/4" Flexsteel 250 ORS Steam Made in USA Drain After Using

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

539-098

Flexsteel® 250 ORS Steam Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023870 | 1/2 | 12.7 | 1.06 | 26.9 | 250 | 1.72 | 0.47 | 0.70 |
| 20023872 | 3/4 | 19.1 | 1.26 | 32.0 | 250 | 1.72 | 0.58 | 0.86 |
| 20023875 | 1 | 25.4 | 1.63 | 41.4 | 250 | 1.72 | 0.87 | 1.29 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® 250 Steam



Product Specifications

Application

Plicord® 250 has a rugged construction used for all-around steam service in chemical plants, refineries, shipyards and demanding industrial service. It is recommended for cleaning, thawing, blowout service, steam pumps, hoists and other applications involving steam.

Temperature Range

0°F to 406°F (-18°C to 208°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® 250 Steam psi
Drain after use

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-060 (black)
549-061 (red)

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Black EPDM synthetic rubber; also available in red cover with yellow band for color coding (wrapped impression), pin-pricked

> Reinforcement

Spiral-plied steel wire

Plicord® 250 Steam

| SAP# | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|-----|---------|------|---------|-----|--------|------|---------|
| | Black | Red | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20019132 | 20019162 | 1/2 | 12.7 | 0.97 | 24.6 | 250 | 1.72 | 0.33 | 0.49 |
| 20019137 | 20019168 | 3/4 | 19.1 | 1.25 | 31.8 | 250 | 1.72 | 0.49 | 0.73 |
| 20019141 | 20019174 | 1 | 25.4 | 1.50 | 38.1 | 250 | 1.72 | 0.61 | 0.91 |
| 20019144 | 20019178 | 1¼ | 31.8 | 1.81 | 46.0 | 250 | 1.72 | 0.83 | 1.24 |
| 20019148 | 20019180 | 1½ | 38.1 | 2.09 | 53.1 | 250 | 1.72 | 1.03 | 1.53 |
| 20019154 | 20019184 | 2 | 50.8 | 2.78 | 70.6 | 250 | 1.72 | 1.88 | 2.80 |
| 20019155 | 20019186 | 2½ | 63.5 | 3.28 | 83.3 | 250 | 1.72 | 2.33 | 3.47 |
| 20019158 | 20019187 | 3 | 76.2 | 3.77 | 95.8 | 250 | 1.72 | 2.73 | 4.06 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Heavy Duty Steam Pile Driver



Product Specifications

Application

This hose is designed to withstand the toughest off-shore pile driving applications and offers long-lasting service in on shore applications. A combination of the steam-resistant EPDM tubing and the steel aramid construction gives this hose the pliability and kinetic and crush-resistance required in this application.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Red or black EPDM synthetic rubber, pin-pricked

> Reinforcement

Brass-coated steel cord and aramid breakers

Temperature Range

-40°F to 406°F (-40°C to 205°C)

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech HD Steam Pile Driver
250 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-460 (red)
541-461 (black)

Heavy Duty Steam Pile Driver

| SAP # | | ID | Nom. OD | | Max. WP | | Bend Radius | | Weight | | |
|----------|----------|-----|---------|------|---------|-----|-------------|-----|--------|---------|-------|
| Black | Red | in. | mm | in. | mm | psi | MPa | in. | mm | lb./ft. | kg/m |
| 20196602 | | 3 | 76.2 | 4.29 | 109.0 | 250 | 1.72 | 24 | 610 | 4.90 | 7.29 |
| 20252985 | 20214787 | 4 | 101.6 | 5.63 | 143.0 | 250 | 1.72 | 32 | 813 | 9.07 | 13.50 |
| 20525522 | | 6 | 152.4 | 7.66 | 194.6 | 250 | 1.72 | 48 | 1200 | 10.98 | 16.40 |

Hose design ratio (burst pressure) 10:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

DAMPF TRIX® 6000 Steam

NEW



Product Specifications

Application

The high-temperature-resistant DAMPF TRIX® 6000 steam hose has been designed to meet the most severe working conditions for conveying saturated steam in the chemical and petrochemical industry, in refineries, the building industry, in shipyards and for various other industrial applications. It is made of an extremely heat-resistant EPDM lining and cover, assuring the transport of pure, saturated steam at 210°C and 18 bar, or even at 220°C and 23 bar for short-time service. DAMPF TRIX® 6000 is manufactured to European standards.

Construction

> Tube

Black, non-porous and smooth EPDM lining, conductive

> Cover

Black, fabric-patterned EPDM cover resistant to ozone, weather, UV and abrasion, conductive

> Reinforcement

2 steel wire braids, excellent resistance to corrosion

Temperature Range

For saturated steam up to 428°F (220°C), short term 428°F (220°C) at 23 bar/333 psi (saturated steam)

Branding

Barber pole-style.

Example: Continental ContiTech DAMPF TRIX® 6000 261 psi (18 bar) Made in Germany

DAMPF TRIX® 6000 Steam

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Length | | Weight | |
|----------|-------|------|---------|------|---------|-----|-------------|-----|--------|---------|--------|--|
| | in. | mm | in. | mm | psi | MPa | in. | mm | feet | lb./ft. | kg/m | |
| 20836407 | 3/8 | 9.5 | 0.86 | 21.5 | 261 | 1.8 | 3 15/16 | 100 | 131 | 0.27 | 0.40 | |
| 20836408 | 1/2 | 15.9 | 0.98 | 25 | 261 | 1.8 | 2 9/16 | 65 | 131 | 0.29 | 0.43 | |
| 20836409 | 3/4 | 19.1 | 1.14 | 29 | 261 | 1.8 | 3 3/8 | 85 | 131 | 0.60 | 0.90 | |
| 20836410 | 1 | 25.4 | 1.56 | 40 | 261 | 1.8 | 9 13/16 | 250 | 131 | 0.81 | 1.20 | |
| 20836411 | 1 1/4 | 31.8 | 1.87 | 48 | 261 | 1.8 | 12 5/8 | 320 | 131 | 1.04 | 1.55 | |
| 20836412 | 1 1/2 | 38.1 | 2.13 | 54 | 261 | 1.8 | 14 15/16 | 380 | 131 | 1.21 | 1.80 | |
| 20836413 | 2 | 50.8 | 2.69 | 68 | 261 | 1.8 | 19 15/16 | 500 | 131 | 1.75 | 2.60 | |

Hose design ratio (burst pressure) 20:1 ≤ 1"

Hose design ratio (burst pressure) 10:1 > 1"

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

MIL-DTL-29210E Steam Hose



Product Specifications

Application

This hose assembly is for military applications (such as Navy shipyard use) in temporary services from docks or barges to ships. It is a 1st Article-approved hose meeting the requirements of MIL-DTL-29210 rev. E. This specification covers metal-lined, wire-reinforced, rubber hose assemblies for conveyance of saturated steam.*

Revision E update (key changes):

- > Ozone and steam tests as part of confoARPMnce testing are required for 1st Article in rev. E
- > Part or identifying number (PIN) is much more specific
- > The branding requirements have been corrected to brand as MIL-DTL-29210E instead of MIL-PRF-29210C.

Construction

> Tube

EPDM

> Cover

Black wrapped finish EPDM, pin-pricked

> Reinforcement

Two wire braids

Temperature Range

0° to 406°F (-18°C to 208°C)

Packaging

25' or 50' cut lengths

Branding

Continental ContiTech (Quarter Year/Date Code)
MIL-DTL-29210 250 PSIG (1724 KPA (Gauge)) Steam
29210E

Couplings

End fittings and special stem design per MIL-DTL-29210E for use with stainless-steel metal liner.* Stainless-steel metal liner per MIL-DTL-29210E.

Non-Stock/Sizes

¾", 1", 1¼", 1½"

Order Codes

539-670

MIL-DTL-29210E Steam Hose

| SAP # | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|-----|---------|------|---------|-----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20490435 | 3/4 | 19.05 | 1.32 | 33.40 | 250 | 1.72 | 0.61 | 0.91 |
| 20453479 | 1 | 25.4 | 1.61 | 40.89 | 250 | 1.72 | 0.82 | 1.22 |
| 20469264 | 1½ | 38.1 | 2.12 | 53.85 | 250 | 1.72 | 1.22 | 1.82 |

Hose design ratio (burst pressure) 10:1.

*Steel liners are not available through ContiTech. Please refer to Mil Spec for an approved suppliers list.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Vacuum



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

| | Page | Rubber | Thermoplastic | Clear | Corrugated Cover | Lightweight | Temp. Range |
|------------------------------|------|--------|---------------|-------|------------------|-------------|----------------|
| Plicord HD Industrial Vacuum | 278 | Yes | | | Yes | | -40°F to 180°F |
| Plicord Vacuum (HD & LW) | 279 | Yes | | | Yes | Yes | -25°F to 180°F |
| Spiraflex Ducting | 276 | | Yes | | Yes | Yes | 0°F to 150°F |
| Spiraflex Grassvac | 275 | | Yes | Yes | Yes | Yes | 0°F to 158°F |
| Spiraflex Vacuum | 277 | | Yes | | Yes | Yes | 0°F to 158°F |

Spiraflex® Grassvac™



Product Specifications

Application

Spiraflex® Grassvac™ is for lawn, leaf, mulch and yard waste collection. It is also suitable for dust control, ventilation and ducting.

Construction

> Tube

Clear Pliovic®

> Reinforcement

Black rigid, high-density Pliovic® helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

4-6' - 100' lengths, coiled and poly-wrapped

7-8' - 50' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Available in all-black construction.

Order Codes

586-429 (clear web, black helix)

Spiraflex® Grassvac™

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-----|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013384 | 4 | 101.6 | 4.46 | 113.3 | 15 | 0.10 | 4 | 102 | 15 | 381 | 0.71 | 1.06 |
| 20013385 | 5 | 127.0 | 5.55 | 141.0 | 15 | 0.10 | 7 | 178 | 15 | 381 | 1.07 | 1.59 |
| 20013388 | 6 | 152.4 | 6.56 | 166.6 | 10 | 0.07 | 7 | 178 | 15 | 381 | 1.43 | 2.13 |
| 20131290 | 7 | 177.8 | 7.63 | 193.8 | 10 | 0.07 | 9 | 229 | 15 | 381 | 1.75 | 2.60 |
| 20013390 | 8 | 203.2 | 8.66 | 220.0 | 10 | 0.07 | 9 | 229 | 15 | 381 | 2.06 | 3.07 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Ducting



Product Specifications

Application

Spiraflex® Ducting is versatile enough for use in leaf collection machines, manhole blowers and air conditioning and heating applications, as well as for air ducting and pollution control devices. Do not use Spiraflex® Ducting for pressure service.

Construction

> Tube

Metallic green Pliovic® synthetic compound

> Reinforcement

Rigid white high-density Pliovic® helix

Temperature Range

0°F to 150°F (-18°C to 66°C)

Packaging

1'-6" - 100' lengths, coiled and poly-wrapped

8" - 30' lengths, poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-408

Spiraflex® Ducting

| SAP # | ID | | Nom. OD | | Bend Radius | | Weight | |
|----------|-----|-------|---------|-------|-------------|-----|---------|------|
| | in. | mm | in. | mm | in. | mm | lb./ft. | kg/m |
| 20013152 | 1 | 25.4 | 1.21 | 30.7 | 2 | 33 | 0.13 | 0.19 |
| 20013153 | 1¼ | 31.8 | 1.50 | 38.1 | 2 | 51 | 0.18 | 0.27 |
| 20013157 | 1½ | 38.1 | 1.74 | 44.2 | 2 | 52 | 0.22 | 0.33 |
| 20013158 | 2 | 50.8 | 2.30 | 58.4 | 3 | 76 | 0.28 | 0.42 |
| 20013159 | 2½ | 63.5 | 2.80 | 71.1 | 4 | 102 | 0.31 | 0.46 |
| 20013160 | 3 | 76.2 | 3.40 | 86.4 | 7 | 160 | 0.53 | 0.79 |
| 20013161 | 4 | 101.6 | 4.44 | 112.8 | 8 | 191 | 0.60 | 0.89 |
| 20013162 | 5 | 127.0 | 5.50 | 139.7 | 9 | 229 | 0.90 | 1.34 |
| 20013168 | 6 | 152.4 | 6.46 | 164.1 | 10 | 254 | 1.04 | 1.55 |
| 20013170 | 8 | 203.2 | 8.52 | 216.4 | 12 | 305 | 1.60 | 2.38 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Vacuum



Product Specifications

Application

Spiraflex® Vacuum hose is for dust collection and exhaust transmission where airborne pollutants, fumes and odors are a major problem.

Construction

> Tube

White Pliovic® compound

> Reinforcement

Rigid white high-density Pliovic® helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

1"-4" - 100' lengths, coiled and poly-wrapped
5"-6" - 30' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-403

Spiraflex® Vacuum

| SAP # | ID | | Nom. OD | | Max. WP | | Vacuum HG | | Bend Radius | | Weight | | |
|----------|-------|-----|---------|------|---------|-----|-----------|-----|-------------|-----|--------|---------|------|
| | White | in. | mm | in. | mm | psi | MPa | psi | MP | in. | mm | lb./ft. | kg/m |
| 20013089 | 1 | | 25.4 | 1.22 | 31.0 | 37 | 0.26 | 3 | 64 | 29 | 737 | 0.13 | 0.19 |
| 20013090 | 1¼ | | 31.8 | 1.50 | 38.1 | 37 | 0.26 | 4 | 84 | 29 | 737 | 0.24 | 0.36 |
| 20013092 | 1½ | | 38.1 | 1.76 | 44.7 | 34 | 0.23 | 4 | 97 | 29 | 737 | 0.29 | 0.43 |
| 20013094 | 2 | | 50.8 | 2.35 | 59.7 | 30 | 0.21 | 6 | 140 | 29 | 737 | 0.45 | 0.67 |
| 20013095 | 2½ | | 63.5 | 2.87 | 72.9 | 30 | 0.21 | 7 | 178 | 29 | 737 | 0.61 | 0.91 |
| 20013096 | 3 | | 76.2 | 3.42 | 86.9 | 30 | 0.21 | 8 | 203 | 29 | 737 | 0.80 | 1.19 |
| 20013097 | 4 | | 101.6 | 4.53 | 115.1 | 27 | 0.19 | 14 | 356 | 15 | 381 | 1.13 | 1.68 |
| 20220897 | 5 | | 127.0 | 5.50 | 139.7 | 25 | 0.17 | 20 | 508 | 10 | 254 | 1.07 | 1.59 |
| 20013099 | 6 | | 152.4 | 6.59 | 167.4 | 20 | 0.14 | 25 | 635 | 10 | 254 | 2.05 | 3.05 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® HD Industrial Vacuum



Product Specifications

Application

For handling exhaust acid fumes as well as abrasive dust from metal, rock, marble and wood grinding machines.

Construction

> Tube

3/16" gauge tan Pureten™ rubber

> Cover

Black SBR synthetic rubber (corrugated)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

Poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Made in Canada

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Non-Stock/Sizes

Custom lengths available. Also available with Black Pureten™.

Order Codes

Tan Pureten™:

549-222 (2"-6⁵/₈")

541-222 (7"-12³/₄")

Plicord® HD Industrial Vacuum

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|--------------------------------|---------|-------|---------|-----|-------------|-----|-----------|-----|--------|---------|-------|
| Black | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20140398 | 2 ³ / ₈ | 69.9 | 3.04 | 77.2 | 75 | 0.52 | 7 | 178 | 29 | 737 | 1.51 | 2.25 |
| 20015119 | 3 ¹ / ₂ | 88.9 | 4.28 | 108.7 | 50 | 0.34 | 11 | 279 | 29 | 737 | 2.63 | 3.91 |
| 20745648 | 4 | 101.6 | 4.76 | 120.9 | 50 | 0.34 | 12 | 305 | 29 | 737 | 3.11 | 4.63 |
| 20270756 | 4 ¹ / ₂ | 114.3 | 5.26 | 133.6 | 50 | 0.34 | 14 | 356 | 29 | 737 | 3.45 | 5.13 |
| 20251005 | 5 | 127.0 | 5.80 | 147.3 | 35 | 0.24 | 15 | 381 | 29 | 737 | 4.29 | 6.38 |
| 20140308 | 6 | 152.4 | 6.80 | 172.7 | 35 | 0.24 | 18 | 457 | 29 | 737 | 5.07 | 7.54 |
| 20368104 | 6 ⁵ / ₈ | 168.3 | 7.44 | 189.0 | 35 | 0.24 | 20 | 508 | 29 | 737 | 5.78 | 8.60 |
| 20015124 | 7 | 177.8 | 7.81 | 198.4 | 35 | 0.24 | 21 | 533 | 29 | 737 | 6.08 | 9.06 |
| 20313490 | 8 | 203.2 | 8.87 | 225.3 | 35 | 0.24 | 24 | 610 | 29 | 737 | 7.29 | 10.86 |
| 20540957 | 8 ⁵ / ₈ | 219.1 | 9.48 | 240.8 | 35 | 0.24 | 26 | 660 | 29 | 737 | 8.39 | 12.50 |
| 20142810 | 10 | 254.0 | 10.87 | 276.1 | 35 | 0.24 | 32 | 813 | 29 | 737 | 9.67 | 14.41 |
| 20320681 | 12 | 304.8 | 12.91 | 327.9 | 35 | 0.24 | 39 | 991 | 29 | 737 | 11.81 | 17.60 |
| 20015131 | 12 ³ / ₄ | 323.8 | 13.69 | 347.7 | 35 | 0.24 | 39 | 991 | 29 | 737 | 12.69 | 18.91 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Vacuum



Product Specifications

Application

Plicord® Vacuum has heavy-duty construction for handling abrasive particles from metal, rock and marble grinding machines under vacuum. Its lightweight construction can be used to exhaust fumes and abrasive dust from woodworking machines, metal, rock, granite and similar processing equipment.

Construction

> Tube

Black Chemituf® synthetic rubber (static dissipating/static conductive)

> Cover

Black SBR synthetic rubber (corrugated)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Branding (Spiral)

Example: Continental ContiTech Plicord® HD Vacuum

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-208 (8")

549-207 (lightweight)

549-208 (6" and below)

Plicord® HD Industrial Vacuum (Heavy-duty Construction)

| SAP # | ID | | Nom. OD | | Vacuum HG | | Bend Radius | | Weight | |
|----------|-----|-------|---------|-------|-----------|-----|-------------|------|---------|-------|
| | in. | mm | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019382 | 1½ | 38.1 | 1.95 | 49.5 | 29 | 737 | 6 | 152 | 0.77 | 1.15 |
| 20019384 | 2 | 50.8 | 2.46 | 62.5 | 29 | 737 | 8 | 203 | 0.95 | 1.41 |
| 20019385 | 3 | 76.2 | 3.70 | 94.0 | 29 | 737 | 12 | 305 | 2.25 | 3.35 |
| 20019386 | 4 | 101.6 | 4.79 | 121.7 | 29 | 737 | 16 | 406 | 3.34 | 4.97 |
| 20019387 | 6 | 152.4 | 6.80 | 172.7 | 29 | 737 | 36 | 914 | 5.10 | 7.59 |
| 20015105 | 8 | 203.2 | 9.20 | 233.7 | 29 | 737 | 48 | 1219 | 7.53 | 11.21 |

Hose design ratio (burst pressure) 4:1.

Plicord® LW Industrial Vacuum (Lightweight Construction)

| SAP # | ID | | Nom. OD | | Vacuum HG | | Bend Radius | | Weight | |
|----------|-----|-------|---------|-------|-----------|-----|-------------|-----|---------|------|
| | in. | mm | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20019375 | 1½ | 38.1 | 1.82 | 46.2 | 29 | 737 | 6 | 152 | 0.59 | 0.88 |
| 20019378 | 2 | 50.8 | 2.33 | 59.2 | 29 | 737 | 8 | 203 | 0.70 | 1.04 |
| 20019379 | 3 | 76.2 | 3.33 | 84.6 | 29 | 737 | 12 | 305 | 1.15 | 1.71 |
| 20019380 | 4 | 101.6 | 4.93 | 125.2 | 29 | 737 | 16 | 406 | 1.85 | 2.75 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Water Discharge



Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

| | Page | Rubber | Thermoplastic | MSHA | Temp. Range | Coupled Lengths | Lay-flat Construction |
|-------------------------------------|------|--------|---------------|------|-----------------------------------|-----------------|-----------------------|
| Deep Blue Potable Water | 98 | Yes | | | -40°F to 150°F (-40°C to 66°C) | | |
| Fire Engine Booster | 285 | Yes | | | 0°F to 180°F (-18°C to 82°C) | Yes | |
| Plicord Clearwater Potable Water | 99 | Yes | | | -40°F to 212°F (-40°C to 66°C) | | |
| Plicord Furnace Door | 284 | Yes | | | -25°F to 200°F (-32°C to 93°C) | | |
| Plicord HD Water Discharge | 281 | Yes | | | -25°F to 180°F (-32°C to 82°C) | | |
| Plicord Versiflo 125 | 283 | Yes | | | -25°F to 200°F (-32°C to 93°C) | | |
| Plicord Water Discharge 150 | 282 | Yes | | | -25°F to 180°F (-32°C to 82°C) | | |
| Potable Water | 100 | Yes | | | -25°F to 180°F (-32°C to 82°C) | | |
| Spiraflex Black Lay-Flat Super Duty | 286 | Yes | | | -36°F to 178°F (-38°C to 81°C) | | Yes |
| Spiraflex Blue Extra Light Duty | 290 | | Yes | | -10°F to 150°F (-23°C to 66°C) | | Yes |
| Spiraflex Gray Light Duty | 289 | | Yes | | -10°F to 150°F (-23°C to 66°C) | | Yes |
| Spiraflex Red Medium Duty | 288 | | Yes | Yes | -10°F to 150°F (-23°C to 66°C) | | Yes |
| Spiraflex Yellow Heavy Duty | 287 | | Yes | | -10°F to 150°F (-23°C to 66°C) | | Yes |

Plicord® HD Water Discharge



Product Specifications

Application

Plicord® HD Water Discharge is a heavy-duty, all-purpose hose with excellent abrasion resistance. It is ideal for service in quarries, mines and construction.

Construction

> Tube

Black SBR synthetic rubber

> Cover

Black SBR synthetic rubber (wrapped finish)

> Reinforcement

Four spiral-ply of synthetic fabric

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Packaging

1"-8" - 100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Plicord® HD Water

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-437 (8" and above)
542-437 (65/8" and below)

Plicord® HD Water Discharge

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|-------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20016585 | 1½ | 38.1 | 2.00 | 50.8 | 200 | 1.38 | 0.79 | 1.18 |
| 20016592 | 2 | 50.8 | 2.50 | 63.5 | 200 | 1.38 | 0.97 | 1.44 |
| 20016598 | 2½ | 63.5 | 3.06 | 77.7 | 200 | 1.38 | 1.36 | 2.02 |
| 20016602 | 3 | 76.2 | 3.55 | 90.2 | 200 | 1.38 | 1.60 | 2.38 |
| 20016608 | 4 | 101.6 | 4.58 | 116.3 | 150 | 1.03 | 2.10 | 3.13 |
| 20016613 | 4½ | 114.3 | 5.07 | 128.8 | 150 | 1.03 | 2.34 | 3.48 |
| 20016614 | 5 | 127.0 | 5.57 | 141.5 | 150 | 1.03 | 2.59 | 3.85 |
| 20016618 | 6 | 152.4 | 6.53 | 165.9 | 150 | 1.03 | 2.87 | 4.27 |
| 20015553 | 6¾ | 168.3 | 7.22 | 183.4 | 150 | 1.03 | 3.58 | 5.33 |
| 20015559 | 8 | 203.2 | 8.57 | 217.7 | 100 | 0.69 | 4.06 | 6.04 |
| 20620155 | 8¾ | 219.1 | 9.19 | 233.4 | 100 | 0.69 | 4.57 | 6.81 |
| 20015561 | 10 | 254.0 | 10.63 | 270.0 | 100 | 0.69 | 5.73 | 8.54 |
| 20015564 | 12 | 304.8 | 12.66 | 321.6 | 100 | 0.69 | 6.79 | 10.12 |

Hose design ratio (burst pressure) 4:1 above 150 psi WP; 3:1 up to 150 psi WP.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord Water Discharge 150



Product Specifications

Application

Plicord Water Discharge 150 is for use in heavy-duty service for a wide range of applications with excellent abrasion resistance.

Construction

> Tube

Black SBR synthetic rubber

> Cover

Black SBR synthetic rubber (wrapped finish)

> Reinforcement

Spiral-plied synthetic rubber

Packaging

100' lengths, coiled and poly-wrapped

Branding

Continental ContiTech Plicord Water 150

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

542-438

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Plicord Water Discharge 150

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20050563 | 3/4 | 19.1 | 1.04 | 26.5 | 150 | 1.03 | 0.23 | 0.34 |
| 20016625 | 1 | 25.4 | 1.29 | 32.8 | 150 | 1.03 | 0.30 | 0.45 |
| 20016627 | 1¼ | 31.8 | 1.60 | 40.6 | 150 | 1.03 | 0.43 | 0.64 |
| 20016629 | 1½ | 38.1 | 1.84 | 46.7 | 150 | 1.03 | 0.50 | 0.74 |
| 20016636 | 2 | 50.8 | 2.38 | 60.5 | 150 | 1.03 | 0.71 | 1.06 |
| 20016643 | 2½ | 63.5 | 2.87 | 72.9 | 150 | 1.03 | 0.87 | 1.30 |
| 20016649 | 3 | 76.2 | 3.47 | 88.1 | 150 | 1.03 | 1.37 | 2.04 |
| 20016655 | 4 | 101.6 | 4.50 | 114.3 | 150 | 1.03 | 1.80 | 2.68 |
| 20016660 | 5 | 127.0 | 5.51 | 140.0 | 150 | 1.03 | 2.32 | 3.45 |
| 20016662 | 6 | 152.4 | 6.49 | 164.9 | 150 | 1.03 | 2.53 | 3.77 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® Versiflo® 125



Product Specifications

Application

For medium-duty water discharge service where the hose does not encounter severe handling.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Black EPDM (wrapped finish)

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech Versiflo® 125 Water Discharge

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Code

542-527

Plicord® Versiflo® 125

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20016803 | 1¼ | 31.8 | 1.48 | 37.6 | 125 | 0.86 | 0.26 | 0.39 |
| 20016806 | 1½ | 38.1 | 1.72 | 43.7 | 125 | 0.86 | 0.30 | 0.45 |
| 20016808 | 2 | 50.8 | 2.24 | 56.9 | 125 | 0.86 | 0.40 | 0.60 |
| 20016811 | 2½ | 63.5 | 2.73 | 69.3 | 125 | 0.86 | 0.49 | 0.73 |
| 20016813 | 3 | 76.2 | 3.22 | 81.8 | 125 | 0.86 | 0.58 | 0.86 |
| 20016815 | 4 | 101.6 | 4.21 | 106.9 | 125 | 0.86 | 0.83 | 1.24 |
| 20016817 | 6 | 152.4 | 6.32 | 160.5 | 125 | 0.86 | 1.58 | 2.35 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

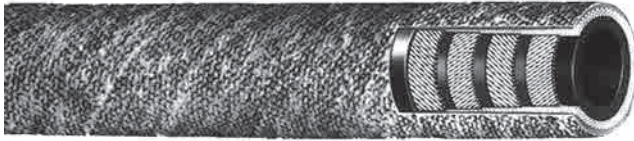
Welding

Coupling Systems

Equipment

Appendix

Plicord® Furnace Door



Product Specifications

Application

Plicord® Furnace Door is for carrying cooling water to furnace doors in steel mills and similar service operations where the outside of the hose is subjected to an open flame and elevated temperatures.

Construction

> Tube

SBR synthetic rubber (non-conductive)

> Cover

Fiberglass fabric ply over rubber cover

> Reinforcement

Four spiral-pplies of synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

1/2"-4" - 100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

542-309

Plicord® Furnace Door

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------------|-------|---------|-------|---------|------|--------|---------|
| | Fiberglass | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20016515 | 1/2 | 12.7 | 1.06 | 26.9 | 200 | 1.38 | 0.38 | 0.57 |
| 20016518 | 3/4 | 19.1 | 1.32 | 33.5 | 200 | 1.38 | 0.52 | 0.77 |
| 20016522 | 1 | 25.4 | 1.64 | 41.7 | 200 | 1.38 | 0.76 | 1.13 |
| 20018362 | 1¼ | 31.8 | 2.06 | 52.3 | 200 | 1.38 | 1.19 | 1.77 |
| 20016527 | 1½ | 38.1 | 2.30 | 58.4 | 200 | 1.38 | 1.36 | 2.02 |
| 20016530 | 2 | 50.8 | 2.87 | 72.9 | 200 | 1.38 | 1.85 | 2.75 |
| 20069910 | 2½ | 63.5 | 3.36 | 85.3 | 200 | 1.38 | 2.23 | 3.32 |
| 20032561 | 3 | 76.2 | 3.88 | 98.5 | 150 | 1.03 | 2.70 | 4.02 |
| 20187448 | 4 | 102.0 | 4.87 | 123.8 | 150 | 1.03 | 6.90 | 10.30 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Fire Engine Booster



Product Specifications

Application

This hose is for use in high-pressure fire engine booster services. It also has many applications in other heavy-duty industrial and municipal operations.

Construction

> Tube

Synthetic rubber

> Cover

Red synthetic rubber

> Reinforcement

Two-braid synthetic yarn

Temperature Range

0°F to 180°F (-18°C to 82°C)

Packaging

Cartons: 1000' (50' increments)

Cut lengths: 50' (2 pieces); 100' (1 piece)

Coupled lengths: 50' (2 pieces); 100' (1 piece)

Branding

Example: Continental ContiTech 1" Fire Engine Booster

Made in USA

Couplings



Coupled assemblies available.

Order Codes

536-382

Fire Engine Booster

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20023056 | 3/4 | 19.1 | 1.25 | 31.8 | 800 | 5.52 | 0.42 | 0.62 |
| 20023068 | 1 | 25.4 | 1.53 | 38.9 | 800 | 5.52 | 0.57 | 0.85 |

Hose design ratio (burst pressure) 4:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Black Lay-Flat Super Duty Hose



Product Specifications

Application

Spiraflex® Black is a lay-flat, heavy-duty water discharge and washdown hose that combines the lightweight, compact features of PVC with the durability and abrasion resistance of conventional construction. This hose features a unique one-piece, through-the-weave construction and attains its working pressure from a synthetic woven textile. It resists mildew/rot and requires no drying time. Its excellent durability is derived from a high-tensile rubber compound, which completely encases the jacket. Applications include irrigation, washdown, dewatering, coal preparation and utility plants. It is also great for gas drilling, jetting and pump discharge, storage tank cleaning and sewer cleaning.

Construction

> Tube and Cover

Nitrile/PVC compound. Both tube and cover are simultaneously extruded to obtain maximum bending.

> Reinforcement

Through-the-weave fabric reinforcement

Temperature Range

-36°F to 178°F (-37°C to 81°C)

Packaging

Coiled

Branding

Not branded

Couplings

Contact your ContiTech representative for special production run minimum requirements.

Order Codes

Contact customer service for ordering details.

Spiraflex® Black Lay-Flat Super Duty Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|--------|---------|--------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20466096 | 1½ | 38.09 | 1.58 | 40.13 | 300 | 1.72 | 0.26 | 0.38 |
| 20466081 | 2 | 50.80 | 2.08 | 52.83 | 250 | 1.72 | 0.36 | 0.54 |
| 20466020 | 2½ | 63.50 | 2.58 | 65.53 | 250 | 1.72 | 0.46 | 0.68 |
| 20466098 | 3 | 76.19 | 3.10 | 78.74 | 230 | 1.72 | 0.52 | 0.77 |
| 20466047 | 4 | 101.60 | 4.10 | 104.14 | 200 | 1.38 | 0.72 | 1.07 |
| 20466364 | 6 | 152.39 | 6.13 | 155.70 | 150 | 1.03 | 1.25 | 1.86 |
| 20466752 | 8 | 203.20 | 8.16 | 207.26 | 150 | 1.03 | 1.70 | 2.53 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Yellow Heavy Duty



Product Specifications

Application

This hose is for heavy-duty applications in mining, agriculture, construction and marine service. It has limited oil and chemical applications.

Construction

> Tube

Black Pliovic®/nitrile PVC tube

>Cover

Yellow fire-retardant Pliovic®, MSHA 2G-14C/15

> Reinforcement

Synthetic fabric

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

300' continuous one-piece, coiled and banded

Branding

Example: Continental ContiTech Spiraflex® Yellow 2" (50.8 mm), 200 psi (1.38 MPa) Flame-resistant USMSHA 2G-14C/15 Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

537-513

Spiraflex® Yellow Heavy Duty

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012467 | 1½ | 38.1 | 1.77 | 45.0 | 200 | 1.38 | 0.32 | 0.48 |
| 20012469 | 2 | 50.8 | 2.34 | 59.4 | 200 | 1.38 | 0.42 | 0.63 |
| 20012470 | 2½ | 63.5 | 2.88 | 73.2 | 200 | 1.38 | 0.66 | 0.98 |
| 20012472 | 3 | 76.2 | 3.40 | 86.4 | 200 | 1.38 | 0.76 | 1.13 |
| 20012475 | 4 | 101.6 | 4.41 | 112.0 | 150 | 1.03 | 1.00 | 1.49 |
| 20012480 | 6 | 152.4 | 6.48 | 164.6 | 150 | 1.03 | 1.69 | 2.51 |

Hose design ratio (burst pressure) 3:1.

Note: Working pressures are rated at 22°C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Red Medium Duty



Product Specifications

Application

This hose is for medium-duty discharge applications in mining, construction, industry, agriculture and marine service. It has limited oil and chemical applications.

Construction

> Tube
Black Pliovic®/nitrile rubber tube

> Cover
Red Pliovic®, MSHA 2G-14C/16

> Reinforcement
Spiral synthetic yarn, one layer longitudinal synthetic yarn

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

300' continuous one-piece, coiled and banded

Branding

Example: Continental ContiTech Spiraflex® Red 2" (50.8 mm) 150 psi WP (1.03 MPa) Flame-resistant USMSHA 2G-14C/16 Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

537-521

Spiraflex® Red Medium Duty

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012500 | 1½ | 38.1 | 1.71 | 43.4 | 150 | 1.03 | 0.23 | 0.34 |
| 20012501 | 2 | 50.8 | 2.24 | 56.9 | 150 | 1.03 | 0.36 | 0.54 |
| 20012502 | 2½ | 63.5 | 2.79 | 70.9 | 150 | 1.03 | 0.41 | 0.61 |
| 20012503 | 3 | 76.2 | 3.29 | 83.6 | 125 | 0.86 | 0.46 | 0.68 |
| 20012504 | 4 | 101.6 | 4.32 | 109.7 | 100 | 0.69 | 0.73 | 1.09 |
| 20012505 | 6 | 152.4 | 6.40 | 162.6 | 100 | 0.69 | 1.18 | 1.76 |

Hose design ratio (burst pressure) 3:1.

Note: Working pressures are rated at 72°F (22°C).

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Gray Light Duty



Product Specifications

Application

This hose is for light-duty water discharge service.

Construction

> Tube

Black Pliovic® compound

> Cover

Gray Pliovic® compound

> Reinforcement

Synthetic fabric

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

300' continuous one-piece, coiled and banded

Branding

Example: Continental ContiTech Spiraflex® Gray 2" (50.8 mm) 80 psi (0.55 MPa) Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

537-555

Spiraflex® Gray Light Duty

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20012556 | 1½ | 38.1 | 1.72 | 43.7 | 90 | 0.62 | 0.18 | 0.27 |
| 20012562 | 2 | 50.8 | 2.22 | 56.4 | 80 | 0.55 | 0.24 | 0.35 |
| 20012567 | 2½ | 63.5 | 2.79 | 70.9 | 60 | 0.41 | 0.35 | 0.52 |
| 20012572 | 3 | 76.2 | 3.27 | 83.1 | 50 | 0.34 | 0.38 | 0.57 |
| 20012576 | 4 | 101.6 | 4.33 | 110.0 | 45 | 0.31 | 0.63 | 1.01 |
| 20012580 | 6 | 152.4 | 6.38 | 162.1 | 35 | 0.24 | 1.14 | 1.70 |

Hose design ratio (burst pressure) 3:1.

Note: Working pressures are rated at 72°F (22°C).

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Blue Extra Light Duty



Product Specifications

Application

This hose is for extra light-duty water discharge applications in mining, construction, industry, agricultural and marine service.

Construction

> Tube
Blue PVC compound

> Cover
Blue PVC compound

> Reinforcement
Synthetic fabric

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

300', continuous one-piece, coiled and poly-wrapped

Branding

Example: Continental ContiTech Spiraflex® Blue 2" (50.8 mm) 80 psi WP (0.55 MPa)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

537-564

Spiraflex® Blue Extra Light Duty

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|-------|---------|-------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20069152 | 1½ | 38.1 | 1.67 | 42.4 | 90 | 0.62 | 0.18 | 0.27 |
| 20069153 | 2 | 50.8 | 2.21 | 56.1 | 80 | 0.55 | 0.24 | 0.37 |
| 20069210 | 2½ | 63.5 | 2.68 | 68.1 | 55 | 0.38 | 0.35 | 0.52 |
| 20069213 | 3 | 76.2 | 3.20 | 81.3 | 55 | 0.38 | 0.38 | 0.56 |
| 20069216 | 4 | 101.6 | 4.26 | 108.2 | 50 | 0.34 | 0.63 | 0.94 |
| 20069219 | 6 | 152.4 | 6.26 | 159.0 | 35 | 0.24 | 1.14 | 1.70 |
| 20069222 | 8 | 203.2 | 8.32 | 211.3 | 35 | 0.24 | 1.30 | 1.93 |

Hose design ratio (burst pressure) 3:1.

Note: Working pressures are rated at 72°F (22°C).

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Water Suction & Discharge



| | Page | Rubber | Thermoplastic | Clear | Temp. Range | Tube Compound |
|------------------------|------|--------|---------------|-------|-----------------------------------|---------------|
| Cold Blue | 298 | | Yes | Yes | -40°F to 150°F (-40°C to 66°C) | PVC |
| Con-Ag 150 Water S&D | 292 | Yes | | | -40°F to 180°F (-40°C to 82°C) | EPDM |
| Con-Ag Water S&D | 294 | Yes | | | -40°F to 180°F (-40°C to 82°C) | EPDM |
| Flexwing Water S&D | 295 | Yes | | | -25°F to 180°F (-32°C to 82°C) | SBR |
| Green Hornet XF | 299 | | Yes | | -40°F to 180°F (-40°C to 82°C) | TPR/PVC |
| Spiraflex Aggie PVC | 297 | | Yes | Yes | 0°F to 158°F (-18°C to 70°C) | PVC |
| Spiraflex 1600 | 296 | | Yes | | 0°F to 158°F (-18°C to 70°C) | PVC |
| Velocity WT | 300 | | Yes | Yes | -13°F to 140°F (-25°C to 60°C) | |
| Versiflo 150 Water S&D | 293 | Yes | | | -25°F to 200°F (-32°C to 93°C) | EPDM |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Con-Ag 150 Water S&D

NEW



Product Specifications

Application

A general purpose water suction and discharge hose for applications in medium- to heavy-duty operations such as construction or agriculture.

Construction

> Tube

Black EPDM

> Cover

Black EPDM (wrapped impression)

> Reinforcement

Spiral-plied fabrics with double wire helix

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Branding

Continental ContiTech CON-AG 150 WATER S&D 150 psi WP ##### Made in Canada

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

542-657 (1"-6")

541-657 (8")

Con-Ag 150 Water S&D

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20957399 | 1 | 25.4 | 1.40 | 35.5 | 150 | 1.03 | 3 | 76 | 29 | 737 | 0.48 | 0.71 |
| 20957430 | 1¼ | 31.8 | 1.25 | 31.8 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.61 | 0.91 |
| 20957431 | 1½ | 38.1 | 1.50 | 38.1 | 150 | 1.03 | 5 | 127 | 29 | 737 | 0.72 | 1.07 |
| 20957432 | 2 | 50.8 | 2.00 | 50.8 | 150 | 1.03 | 7 | 178 | 29 | 737 | 1.02 | 1.52 |
| 20957433 | 2½ | 63.5 | 2.50 | 63.5 | 150 | 1.03 | 10 | 254 | 29 | 737 | 1.46 | 2.17 |
| 20957434 | 3 | 76.2 | 3.00 | 76.2 | 150 | 1.03 | 14 | 356 | 29 | 737 | 1.78 | 2.65 |
| 20957417 | 4 | 101.6 | 4.00 | 101.6 | 150 | 1.03 | 18 | 457 | 29 | 737 | 2.55 | 3.80 |
| 20957418 | 6 | 152.4 | 6.00 | 152.4 | 150 | 1.03 | 27 | 686 | 29 | 737 | 5.31 | 7.90 |
| 20957501 | 8 | 203.2 | 8.01 | 203.4 | 150 | 1.03 | 48 | 1219 | 29 | 737 | 9.13 | 13.59 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Versiflo® 150 Water S&D



Product Specifications

Application

This is a general-purpose water suction and discharge hose for light- to medium-duty applications. It can be used in various industrial, agricultural and construction areas. This hose can be used in Lasso® applications.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Black EPDM synthetic rubber (wrapped finish)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

> Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

542-528 - 100' lengths, coiled and poly-wrapped

541-528 - custom lengths

Branding (Spiral)

Example: Continental ContiTech Versiflo® 150 Water Suction & Discharge

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-528 (8"-14")

542-528 (1 1/4"-6")

Versiflo® 150 Water S&D

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20016820 | 1¼ | 31.8 | 1.63 | 41.4 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.53 | 0.79 |
| 20016822 | 1½ | 38.1 | 1.87 | 47.5 | 150 | 1.03 | 4 | 102 | 29 | 737 | 0.65 | 0.97 |
| 20016828 | 2 | 50.8 | 2.39 | 60.7 | 150 | 1.03 | 7 | 178 | 29 | 737 | 0.87 | 1.29 |
| 20016831 | 2½ | 63.5 | 2.89 | 73.4 | 150 | 1.03 | 10 | 254 | 29 | 737 | 1.08 | 1.61 |
| 20016834 | 3 | 76.2 | 3.42 | 86.9 | 150 | 1.03 | 14 | 356 | 29 | 737 | 1.44 | 2.14 |
| 20016838 | 4 | 101.6 | 4.45 | 113.0 | 150 | 1.03 | 18 | 457 | 29 | 737 | 2.00 | 2.98 |
| 20016841 | 6 | 152.4 | 6.60 | 167.6 | 150 | 1.03 | 24 | 610 | 29 | 737 | 4.56 | 6.79 |
| 20115258 | 8 | 203.0 | 8.78 | 224.0 | 150 | 1.03 | 48 | 1200 | 29 | 737 | 7.40 | 11.00 |
| 20669573 | 10 | 254.0 | 10.96 | 278.0 | 150 | 1.03 | 60 | 1500 | 29 | 737 | 12.20 | 18.20 |
| 20669574 | 12 | 305.0 | 13.23 | 336.0 | 150 | 1.03 | 72 | 1800 | 29 | 737 | 18.70 | 27.90 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Con-Ag Water S&D

NEW



Product Specifications

Application

A general-purpose water suction and discharge hose for applications in medium- to heavy-duty operations such as construction or agriculture.

Construction

> Tube

Black EPDM

> Cover

Black EPDM (wrapped impression)

> Reinforcement

Spiral-plied fabrics with double wire helix

Branding

Continental ContiTech CON-AG WATER S&D #####

Made in Canada

(1/2" spiral transfer tape, yellow backing with black lettering)

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

542-159

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Con-Ag Water S&D

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|----|---------|------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20016431 | 1 | 25.4 | 1.40 | 35.5 | 125 | 0.86 | 3 | 76 | 29 | 737 | 0.48 | 0.71 |
| 20016432 | 1¼ | 31.8 | 1.65 | 41.9 | 125 | 0.86 | 4 | 102 | 29 | 737 | 0.61 | 0.91 |
| 20016433 | 1½ | 38.1 | 1.90 | 48.3 | 125 | 0.86 | 5 | 127 | 29 | 737 | 0.72 | 1.07 |
| 20016437 | 2 | 50.8 | 2.40 | 61.0 | 125 | 0.86 | 7 | 178 | 29 | 737 | 0.94 | 1.40 |
| 20016442 | 2½ | 63.5 | 2.95 | 75.0 | 100 | 0.69 | 10 | 254 | 29 | 737 | 1.36 | 2.02 |
| 20016447 | 3 | 76.2 | 3.49 | 88.7 | 100 | 0.69 | 14 | 356 | 29 | 737 | 1.72 | 2.56 |
| 20016452 | 4 | 101.6 | 4.54 | 115.3 | 75 | 0.52 | 18 | 457 | 29 | 737 | 2.48 | 3.69 |
| 20016459 | 6 | 152.4 | 6.68 | 169.6 | 75 | 0.52 | 27 | 686 | 29 | 737 | 5.13 | 7.63 |
| 20015068 | 8 | 203.2 | 8.88 | 225.6 | 75 | 0.52 | 48 | 1219 | 29 | 737 | 8.76 | 13.04 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Flexwing® Water S&D



Product Specifications

Application

Flexwing® Water S&D is a general-purpose, economical hose for applications in light or medium water suction and discharge operations. It is rated for full vacuum. It can be used in various industrial, agricultural and construction areas.

Construction

> Tube

Black SBR synthetic rubber

> Cover

Black SBR synthetic rubber

> Reinforcement

Synthetic fabric plies with internal wire helix

Packaging

3/4"-6" - 100' lengths, coiled and poly-wrapped

8"-12" - Custom lengths

Branding

Example: Flexwing® Water S&D

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

541-249 (8"-12")

542-249 (3/4"-6")

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Flexwing® Water S&D

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|------|-----------|-----|---------|-------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20026570 | 3/4 | 19.0 | 1.09 | 27.9 | 150 | 1.03 | 2 | 50 | 29 | 737 | 0.33 | 0.49 |
| 20026608 | 1 | 25.3 | 1.34 | 34.1 | 150 | 1.03 | 2 | 50 | 29 | 737 | 0.41 | 0.61 |
| 20026605 | 1¼ | 32.0 | 1.61 | 40.8 | 150 | 1.03 | 4 | 100 | 29 | 737 | 0.50 | 0.75 |
| 20026606 | 1½ | 38.0 | 1.84 | 46.9 | 150 | 1.03 | 4 | 100 | 29 | 737 | 0.63 | 0.94 |
| 20462936 | 2 | 51.1 | 2.38 | 60.4 | 150 | 1.03 | 7 | 180 | 29 | 737 | 0.84 | 1.25 |
| 20462937 | 2½ | 63.6 | 2.89 | 73.3 | 150 | 1.03 | 10 | 250 | 29 | 737 | 1.08 | 1.61 |
| 20462938 | 3 | 76.1 | 3.42 | 86.8 | 150 | 1.03 | 14 | 360 | 29 | 737 | 1.46 | 2.18 |
| 20462939 | 3½ | 90.0 | 3.97 | 100.9 | 150 | 1.03 | 14 | 360 | 29 | 737 | 1.80 | 2.68 |
| 20462940 | 4 | 102.1 | 4.45 | 113.1 | 150 | 1.03 | 18 | 460 | 29 | 737 | 2.03 | 3.02 |
| 20462941 | 5 | 127.3 | 5.53 | 140.5 | 150 | 1.03 | 20 | 510 | 29 | 737 | 3.34 | 4.98 |
| 20462942 | 6 | 152.6 | 6.63 | 168.0 | 150 | 1.03 | 24 | 610 | 29 | 737 | 4.67 | 6.96 |
| 20026598 | 8 | 203.5 | 8.75 | 222.3 | 125 | 0.86 | 48 | 1200 | 29 | 737 | 7.56 | 11.26 |
| 20531203 | 10 | 253.9 | 10.97 | 278.3 | 125 | 0.86 | 60 | 1500 | 29 | 737 | 12.34 | 18.39 |
| 20464167 | 12 | 305.5 | 12.19 | 335.4 | 125 | 0.86 | 72 | 1800 | 29 | 737 | 19.07 | 28.41 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® 1600



Product Specifications

Application

Spiraflex® 1600 is for water suction and discharge service in construction and septic tank cleaning operations, and is for general industrial and agricultural applications where mild chemical resistance is required.

Construction

> Tube

Olive-green Pliovic® flexible PVC

> Reinforcement

High-density rigid helix

Temperature Range

0°F to 158°F (-9°C to 70°C)

Packaging

3/4"-6" - 100' lengths, coiled and poly-wrapped
8"-10" - 20' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-411

Spiraflex® 1600

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|-------|---------|-----|-------------|-----|-----------|----|--------|------|---------|
| | | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20013191 | 3/4 | 19.1 | 0.98 | 24.9 | 130 | 0.90 | 3 | 83 | 29 | 737 | 0.18 | 0.27 |
| 20013194 | 1 | 25.4 | 1.24 | 31.5 | 106 | 0.73 | 5 | 114 | 29 | 737 | 0.25 | 0.37 |
| 20013197 | 1¼ | 31.8 | 1.53 | 38.9 | 99 | 0.68 | 5 | 127 | 29 | 737 | 0.32 | 0.48 |
| 20013203 | 1½ | 38.1 | 1.78 | 45.2 | 89 | 0.61 | 6 | 152 | 29 | 737 | 0.37 | 0.55 |
| 20013209 | 2 | 50.8 | 2.32 | 58.9 | 79 | 0.54 | 8 | 203 | 29 | 737 | 0.61 | 0.91 |
| 20013213 | 2½ | 63.5 | 2.85 | 72.4 | 65 | 0.45 | 10 | 254 | 29 | 737 | 0.87 | 1.29 |
| 20013219 | 3 | 76.2 | 3.41 | 86.6 | 65 | 0.45 | 12 | 305 | 29 | 737 | 1.08 | 1.61 |
| 20013223 | 4 | 101.6 | 4.46 | 113.3 | 55 | 0.38 | 16 | 406 | 29 | 737 | 1.69 | 2.51 |
| 20013231 | 6 | 152.4 | 6.57 | 166.9 | 47 | 0.32 | 36 | 914 | 29 | 737 | 3.05 | 4.54 |
| 20013236 | 8 | 203.2 | 8.92 | 226.6 | 40 | 0.28 | 60 | 1524 | 20 | 508 | 6.35 | 9.45 |
| 20013239 | 10 | 254.0 | 10.93 | 277.6 | 35 | 0.24 | 100 | 2540 | 20 | 508 | 8.75 | 13.04 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex® Aggie PVC



Product Specifications

Application

Spiraflex® Aggie PVC is a general-purpose water suction hose for use in industrial, agriculture and construction applications.

Construction

> Tube

Clear Pliovic®

> Reinforcement

High-density white rigid Pliovic® helix

> Temperature Range

0°F to 158°F (-9°C to 70°C)

Packaging

100' lengths coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-453

Spiraflex®

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-------|-------|---------|-------|---------|------|-------------|-----|-----------|-----|--------|---------|
| | Clear | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. |
| 20013491 | 3/4 | 19.1 | 1.00 | 25.4 | 120 | 0.83 | 3.0 | 76 | 29 | 737 | 0.18 | 0.27 |
| 20013493 | 1 | 25.4 | 1.24 | 31.5 | 106 | 0.73 | 4.5 | 114 | 29 | 737 | 0.23 | 0.34 |
| 20013495 | 1¼ | 31.8 | 1.53 | 38.9 | 99 | 0.68 | 5.0 | 127 | 29 | 737 | 0.34 | 0.51 |
| 20013497 | 1½ | 38.1 | 1.78 | 45.2 | 89 | 0.61 | 6.0 | 152 | 29 | 737 | 0.38 | 0.57 |
| 20013500 | 2 | 50.8 | 2.31 | 58.7 | 79 | 0.54 | 8.0 | 203 | 29 | 737 | 0.58 | 0.86 |
| 20013504 | 2½ | 63.5 | 2.85 | 72.4 | 65 | 0.45 | 10.0 | 254 | 29 | 737 | 0.90 | 1.34 |
| 20013507 | 3 | 76.2 | 3.41 | 86.6 | 65 | 0.45 | 12.0 | 305 | 29 | 737 | 1.07 | 1.59 |
| 20013510 | 4 | 101.6 | 4.47 | 113.5 | 55 | 0.38 | 16.0 | 406 | 29 | 737 | 1.69 | 2.51 |
| 20013516 | 6 | 152.4 | 6.60 | 167.6 | 47 | 0.32 | 36.0 | 914 | 29 | 737 | 3.29 | 4.90 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

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Appendix

Cold Blue™



Product Specifications

Application

Cold Blue™ is a lightweight, medium-duty water suction and discharge hose for industrial, construction, agricultural, mining and other applications where low-temperature flexibility is required.

Temperature Range

-40°F to 150°F (-40°C to 65°C)

Branding

Not branded

Construction

> Tube

Clear flexible PVC

> Reinforcement

Blue rigid PVC helix

Packaging

100' lengths, coiled, covered with corrugated cardboard and wrapped with clear stretch film

Order Codes

586-518

Cold Blue™

| SAP # | ID | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | | |
|----------|-----|---------|------|---------|-----|-------------|-----|-----------|-----|--------|---------|------|
| Clear | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20446623 | 3/4 | 19.1 | 0.99 | 25.1 | 120 | 0.83 | 3 | 76 | 29 | 737 | 0.16 | 0.24 |
| 20442995 | 1 | 25.4 | 1.25 | 31.8 | 106 | 0.73 | 5 | 127 | 29 | 737 | 0.23 | 0.34 |
| 20439810 | 1¼ | 31.8 | 1.54 | 39.2 | 99 | 0.68 | 5 | 127 | 29 | 737 | 0.31 | 0.45 |
| 20439811 | 1½ | 38.1 | 1.77 | 44.9 | 89 | 0.61 | 6 | 152 | 29 | 737 | 0.37 | 0.56 |
| 20187679 | 2 | 50.8 | 2.33 | 59.2 | 80 | 0.55 | 8 | 203 | 29 | 737 | 0.58 | 0.87 |
| 20439812 | 2½ | 63.5 | 2.87 | 72.9 | 65 | 0.45 | 10 | 254 | 29 | 737 | 0.84 | 1.25 |
| 20187760 | 3 | 76.2 | 3.40 | 86.5 | 65 | 0.45 | 12 | 305 | 29 | 737 | 1.01 | 1.50 |
| 20187761 | 4 | 101.6 | 4.50 | 114.0 | 55 | 0.38 | 16 | 406 | 29 | 737 | 1.65 | 2.46 |
| 20444339 | 6 | 152.4 | 6.62 | 168.2 | 47 | 0.32 | 36 | 914 | 29 | 737 | 3.27 | 4.87 |

Hose design ratio (burst pressure) 3:1.
Testing performed at 70°F (22°C).

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Green Hornet® XF



Product Specifications

Application

Green Hornet® XF features a medium-duty, lightweight construction that retains flexibility in cold weather. Its smooth-bore tube minimizes material buildup and resists a variety of chemicals found in the agricultural and sanitary industries. A slightly corrugated outer helix promotes abrasion resistance, low coefficient of friction and ease of coupling. Common uses can be found in the waste management, construction, agricultural, marine and manufacturing industries.

Construction

> Tube

Black thermoplastic rubber, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Rigid, lime-green polyethylene helix; also available in a variety of custom colors

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Packaging

100' lengths, coiled and poly-wrapped

Branding

Not branded

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-551

Green Hornet® XF

| SAP # | ID | | Nom. OD | | Max. WP | | Bend Radius | | Vacuum HG | | Weight | |
|----------|-----|-------|---------|-------|---------|------|-------------|-------|-----------|-----|---------|------|
| | in. | mm | in. | mm | psi | MPa | in. | mm | in. | mm | lb./ft. | kg/m |
| 20450178 | 1¼ | 31.8 | 1.53 | 39.0 | 50 | 0.35 | 2.5 | 63.5 | 29 | 737 | 0.27 | 0.40 |
| 20450177 | 1½ | 38.1 | 1.78 | 45.3 | 50 | 0.35 | 3 | 76.2 | 29 | 737 | 0.32 | 0.48 |
| 20450179 | 2 | 50.8 | 2.40 | 61.0 | 50 | 0.35 | 4 | 101.6 | 29 | 737 | 0.56 | 0.83 |
| 20450350 | 2½ | 63.5 | 2.99 | 74.9 | 50 | 0.35 | 5 | 127.0 | 29 | 737 | 0.75 | 1.12 |
| 20450351 | 3 | 76.2 | 3.47 | 88.1 | 45 | 0.31 | 5 | 127.0 | 29 | 737 | 0.92 | 1.37 |
| 20450352 | 4 | 101.6 | 4.67 | 118.4 | 40 | 0.28 | 9 | 228.6 | 29 | 737 | 1.60 | 2.39 |
| 20450353 | 6 | 152.4 | 6.75 | 171.4 | 25 | 0.17 | 20 | 508.0 | 29 | 737 | 2.88 | 4.30 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Appendix

Velocity™ WT



Product Specifications

Application

The Velocity™ Water Transfer Hose gets water where you need it, efficiently and fast. This tough clear PVC hose lets you see water in motion, even in the most demanding applications. The premium heavy-duty construction provides great durability. Whether you need full-suction or transfer, the Velocity™ WT is the hose for your jobsite.

Construction

> Tube
Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated OD

Temperature Range

-13°F to 140°F (-25°C to 60°C)

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

591-101

Velocity™ WT

| SAP # | ID | Nom. OD | | Max. WP @ 72°F (22°C) | | Bend Radius | Vacuum HG @ 72°F (22°C) | | Length | |
|----------|----|---------|------|-----------------------|-----|-------------|-------------------------|----|--------|-----|
| | | in. | mm | psi | MPa | | in. | mm | | ft. |
| 20762594 | 1½ | 38.1 | 2.03 | 51.7 | 110 | 0.76 | 2½ | 29 | 737 | 100 |
| 20762595 | 2 | 50.8 | 2.46 | 62.5 | 100 | 0.69 | 4 | 29 | 737 | 100 |
| 20635650 | 3 | 76.2 | 3.71 | 94.5 | 100 | 0.69 | 6 | 29 | 737 | 100 |
| 20635651 | 4 | 101.6 | 4.75 | 120.6 | 75 | 0.52 | 7 | 29 | 737 | 100 |
| 20761726 | 4 | 101.6 | 4.75 | 120.6 | 75 | 0.52 | 7 | 29 | 737 | 60 |
| 20630166 | 6 | 152.4 | 7.15 | 181.6 | 70 | 0.48 | 10 | 29 | 737 | 100 |
| 20762596 | 6 | 152.4 | 7.15 | 181.6 | 70 | 0.48 | 10 | 29 | 737 | 60 |
| 20761732 | 8 | 203.2 | 9.20 | 233.8 | 60 | 0.41 | 15 | 29 | 737 | 20 |

Hose design ratio (burst pressure) 3:1.

- Air & Multipurpose**
- General Purpose
- Heavy Duty
- Push-on
- Chemical Transfer
- Cleaning Equipment
- Food**
- Dry Transfer
- Liquid Transfer
- Washdown
- Marine**
- Material Handling**
- Abrasives
- Bulk Transfer
- Cement & Concrete
- Mining
- Petroleum**
- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D
- Specialty**
- Steam
- Vacuum
- Water**
- Discharge
- Suction & Discharge
- Washdown
- Garden
- Welding
- Coupling Systems
- Equipment
- Appendix

Water Washdown



| | Page | Temp. Range | Non-Marking-Cover | Superior Oil Resistant Cover | Superior Abrasion Cover | Microban Cover | Tapered Nozzle | Textile | Wire |
|-------------------------------|------|---------------------------------------|-------------------|------------------------------|-------------------------|----------------|----------------|---------|------|
| Plicord Washdown | 303 | -25 °F to 200 °F (-29 °C to 93 °C) | | | | | Yes | Yes | |
| Plicord Pulp & Paper Washdown | 304 | -25 °F to 200 °F (-29 °C to 93 °C) | | | | | Yes | Yes | |
| Sureline | 302 | -40 °F to 190 °F (-40 °C to 88 °C) | Yes* | | | | | Yes | |

*Non-black Colors

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Sureline®



Product Specifications

Application

Sureline® is for a wide range of industrial, construction, and agricultural water discharge applications in which a general-service water hose is needed.

Construction

> Tube

EPDM synthetic rubber, ARPM Class C (Limited Oil Resistance)

> Cover

Red or black EPDM synthetic rubber

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 190°F (-40°C to 88°C)

Packaging

3/16"-3/4" - 500' reels, maximum 3 pieces, 50' increments

1" - 450' reels, maximum 3 pieces, 50' increments

1¼" - 400' reels, maximum 3 pieces, 50' increments

1½" - 300' reels, maximum 3 pieces, 50' increments

Branding (Spiral)

Example: 1/2" Sureline® Continental ContiTech 150 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

569-048 (red)

569-049 (black)

Sureline®

| SAP # | | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|-----|---------|------|---------|-----|--------|---------|------|
| Red | Black | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026443 | 20026458 | 1/4 | 6.4 | 0.48 | 12.2 | 150 | 1.03 | 0.08 | 0.12 |
| 20026444 | 20026459 | 3/8 | 9.5 | 0.66 | 16.8 | 150 | 1.03 | 0.13 | 0.19 |
| 20026447 | 20026465 | 1/2 | 12.7 | 0.78 | 19.8 | 150 | 1.03 | 0.17 | 0.25 |
| 20026448 | 20026474 | 5/8 | 15.9 | 0.93 | 23.6 | 150 | 1.03 | 0.26 | 0.39 |
| 20026451 | 20026485 | 3/4 | 19.1 | 1.08 | 27.4 | 150 | 1.03 | 0.33 | 0.49 |
| 20026454 | 20026501 | 1 | 25.4 | 1.39 | 35.3 | 150 | 1.03 | 0.52 | 0.77 |
| 20026455 | 20026508 | 1¼ | 31.8 | 1.63 | 41.4 | 150 | 1.03 | 0.57 | 0.85 |
| 20026456 | 20026512 | 1½ | 38.1 | 1.88 | 47.8 | 150 | 1.03 | 0.68 | 1.01 |

Hose design ratio (burst pressure) 4:1.

- Air & Multipurpose**
 - General Purpose
 - Heavy Duty
 - Push-on
- Chemical Transfer
- Cleaning Equipment
- Food**
 - Dry Transfer
 - Liquid Transfer
 - Washdown
- Marine
- Material Handling**
 - Abrasives
 - Bulk Transfer
 - Cement & Concrete
- Mining
- Petroleum**
 - Aircraft Fueling
 - Dispensing
 - Dock
 - Rig Supply
 - Transfer Discharge
 - Transfer S&D
- Specialty
- Steam
- Vacuum
- Water**
 - Discharge
 - Suction & Discharge
 - Washdown
 - Garden
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Plicord® Washdown with Optional Integral Tapered Nozzle



Product Specifications

Application

Plicord® Washdown is a quality water discharge hose for the environments typically found in paper mills and other industrial operations. It can be supplied with an integral rubber tapered nozzle.

Construction

> Tube

Black SBR synthetic rubber

> Cover

Black SBR synthetic rubber (wrapped impression). Also available in a green or white cover (non-FDA).

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continetel ContiTech Plicord® Washdown 150 psi Max WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Also available with integral tapered nozzle.

Non-Stock/Sizes

Hose: 400' minimum order in 400' increments
Hose with tapered nozzle: two 50' lengths in two-length increments

Order Codes

542-454 (black)
542-455 (green)
542-507 (white)

Plicord® Washdown

| SAP # | | | ID | Nom. OD | | Max. WP | | Weight | | |
|----------|----------|----------|-----|---------|------|---------|-----|--------|---------|------|
| Black | Green | White | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20016718 | 20016737 | 20016775 | 3/4 | 19.1 | 1.17 | 29.7 | 150 | 1.03 | 0.36 | 0.54 |
| 20016722 | 20016742 | 20016781 | 1 | 25.4 | 1.42 | 36.1 | 150 | 1.03 | 0.45 | 0.67 |
| 20016727 | 20016745 | 20016784 | 1¼ | 31.8 | 1.69 | 42.9 | 150 | 1.03 | 0.55 | 0.82 |
| 20016729 | 20139579 | 20649827 | 1½ | 38.1 | 1.97 | 50.0 | 150 | 1.03 | 0.71 | 1.06 |

Hose design ratio (burst pressure) 4:1.

Orifice sizes: 3/4"-1/2" ID

1"-1/2" ID

1¼"-5/8" ID

1½"-3/4" ID

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Pulp & Paper Washdown with Optional Integral Tapered Nozzle



Product Specifications

Application

This is a heavy-duty water discharge hose for washdown service in pulp and paper mills where kink resistance is of major importance. This hose can be supplied with an integral rubber tapered nozzle.

Construction

> Tube

Black EPDM synthetic rubber (also available in white, non-FDA)

> Cover

Black EPDM synthetic rubber

> Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental ContiTech HD Washdown 300 psi Max WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Also available with an integral tapered nozzle.

Non-Stock/Sizes

Hose: 400' minimum order in 400' increments
Hose with tapered nozzle: Two 50' lengths in two-length increments

Order Codes

542-452

Plicord® Pulp & Paper Washdown

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20024998 | 3/4 | 19.1 | 1.30 | 33.0 | 300 | 2.07 | 0.47 | 0.70 |
| 20029385 | 1 | 25.4 | 1.62 | 41.2 | 300 | 2.07 | 0.67 | 1.00 |
| 20016713 | 1¼ | 31.8 | 1.88 | 47.8 | 300 | 2.07 | 0.81 | 1.21 |
| 20100952 | 1½ | 38.1 | 2.11 | 53.7 | 300 | 2.07 | 0.91 | 1.36 |

Hose design ratio (burst pressure) 4:1.

Orifice sizes: 3/4"-1/2" ID

1"-1/2" ID

1¼"-5/8" ID

1½"-3/4" ID

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Garden



| | Page | Rubber | Thermoplastic | Temp. Range | Coupled Lengths |
|---|------|--------|---------------|--------------------------------|-----------------|
| Heavy Duty Cold Water Premium Garden Hose | 307 | Yes | | -40°F to 160°F (-40°C to 71°C) | Yes |
| Heavy Duty Hot Water Premium Garden Hose | 306 | Yes | | -40°F to 190°F (-40°C to 88°C) | Yes |
| Pathfinder Garden Hose | 308 | Yes | | -40°F to 190°F (-40°C to 88°C) | Yes |
| YardMaster | 309 | | Yes | -40°F to 158°F (-40°C to 70°C) | Yes |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Heavy Duty Hot Water Premium Rubber Hose



Product Specifications

Application

This is a commercial premium rubber hose that handles hot water up to 190°F. It is reinforced for high burst strength and is abrasion- and weather-resistant with flexibility in cold temperatures. This hose has crush-resistant brass fittings.

Construction

> Tube

EPDM tube

> Cover

Red EPDM

> Reinforcement

Spiral synthetic reinforcement

Temperature Range

-40°F to 190°F (-40°C to 88°C)

Branding

Continental ContiTech Made in USA

Couplings

Heavy-duty crush-resistant brass, male x female GHT (garden hose thread).



Coupled assemblies available.

Order Codes

569-028

Heavy Duty Hot Water Premium Rubber Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20582672 | 5/8 | 15.9 | 0.91 | 23.0 | 130 | 0.90 | 0.23 | 0.34 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

Heavy Duty Cold Water Premium Rubber Hose



Product Specifications

Application

This is a commercial cold water premium rubber hose that is reinforced for high burst strength. It is abrasion- and weather-resistant with flexibility in cold temperatures. This hose has crush-resistant brass fittings.

Construction

> Tube

EPDM tube

> Cover

Black EPDM

> Reinforcement

Spiral synthetic reinforcement

Temperature Range

-40°F to 160°F (-40°C to 71°C)

Packaging

Cut, coiled and tied assemblies

Branding

Continental ContiTech Made in USA

Couplings

Heavy-duty crush-resistant brass, male x female GHT (garden hose thread).



Coupled assemblies available.

Order Codes

569-029

Heavy Duty Cold Water Premium Rubber Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20582671 | 5/8 | 15.9 | 0.91 | 23.0 | 130 | 0.90 | 0.23 | 0.34 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Pathfinder® Garden Hose



Product Specifications

Application

Pathfinder® is for in-home, lawn and garden, apartment, smaller plant and commercial property applications.

Construction

> Tube

EPDM synthetic rubber

> Cover

Green EPDM synthetic rubber

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 190°F (-40°C to 88°C)

Packaging

500' reels, maximum 3 pieces, 50' increments

Branding

Example: 5/8" (15.9 mm) Pathfinder® Continental ContiTech 100 psi WP

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Non-Stock/Sizes

Available in 25' or 50' coupled assemblies.

Order Codes

569-027

Pathfinder® Garden Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20026213 | 5/8 | 15.9 | 0.94 | 23.9 | 100 | 0.69 | 0.22 | 0.33 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

YardMaster™ Garden Hose



Product Specifications

Application

Experience the next generation of garden hose. The YardMaster™ features thermoplastic elastomer hybrid materials which achieves 20% lighter weight than rubber garden hose and provides improved flexibility at low temperatures.

Construction

> Tube

Green flexible PVC, ARPM Class B (Medium Oil Resistance)

> Cover

Matte green flexible PVC, ARPM Class B (Medium Oil Resistance)

> Reinforcement

Spiral synthetic reinforcement or Polyester fiber

Temperature Range

-40°F to 158°F (-40°C to 70°C)

Packaging

Cut, coiled and tied assemblies

Branding

Continental YardMaster™

Couplings

Heavy-duty crush-resistant brass, male x female GHT (garden hose thread).



Coupled assemblies available.

Order Codes

540-453

YardMaster™ Garden Hose

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|-----|------|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20530170 | 1/2 | 12.7 | 0.78 | 19.8 | 100 | 0.69 | 0.16 | 0.24 |
| 20583057 | 5/8 | 15.9 | 0.90 | 22.8 | 100 | 0.69 | 0.18 | 0.27 |

Hose design ratio (burst pressure) 3:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Welding



| | Page | Oxygen (Green) | Acetylene (Red) | Fuel Gases* (Red) | Flame- and Oil- Resistant Tube | Flame- and Oil- Resistant Cover |
|------------------------------|------|-------------------|--------------------|----------------------|-----------------------------------|------------------------------------|
| Single Line Welding Grade R | 316 | Yes | Yes | No | No | No |
| Single Line Welding Grade RM | 315 | Yes | Yes | No | No | Yes |
| Single Line Welding Grade T | 314 | Yes | Yes | Yes | Yes | Yes |
| Twin-Line Welding Grade R | 313 | Yes | Yes | No | No | No |
| Twin-Line Welding Grade RM | 312 | Yes | Yes | No | No | Yes |
| Twin-Line Welding Grade T | 311 | Yes | Yes | Yes | Yes | Yes |

*Fuel Gases are defined in ARPM IP-7 welding hose standard. Flammable compressed gases commonly used in the welding and cutting industry including, but not limited to, acetylene, hydrogen, methane/natural gas, LP gas, propylene and methylacetylene-propadiene stabilized.

ARPM IP-7 and CGA E-1

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Twin-Line Welding Grade T - Type VD



Product Specifications

Application

Use for welding service. This hose meets ARPM IP-7 and CGA E-1 standards for Grade T welding hose and is non-conductive.

Construction

> Tube

Wingprene® synthetic rubber, compatible with all common welding fuel gases

> Cover

Chemivic synthetic rubber with a smooth cover

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: Twin-Line 1/4" Grade T Fuel Gas Std Duty Max WP 200 psi Meets ARPM IP-7/CGA E-1 Made In USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

569-618

Twin-Line Welding Grade T

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|-----|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027443 | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.13 | 0.19 |
| 20027465 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.18 | 0.27 |
| 20027480 | 5/16 | 7.9 | 0.59 | 15.0 | 200 | 1.38 | 0.22 | 0.33 |
| 20027498 | 3/8 | 9.5 | 0.66 | 16.8 | 200 | 1.38 | 0.26 | 0.39 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Twin-Line Welding Grade RM - Type VD



Product Specifications

Application

Use for welding service. This hose meets the ARPM IP-7 standard for Grade RM welding hose and is non-conductive.

Construction

> Tube

SBR synthetic rubber, compatible with oxygen and acetylene gases

> Cover

Chemivac synthetic rubber with a smooth cover

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: Twin-Line 1/4" Grade RM Acetylene Only Std Duty Max WP 200 psi Meets ARPM IP-7 Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

569-598

Twin-Line Welding Grade RM

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|-----|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027317 | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.15 | 0.22 |
| 20027342 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.21 | 0.31 |
| 20027356 | 5/16 | 7.9 | 0.59 | 15.0 | 200 | 1.38 | 0.25 | 0.37 |
| 20189609 | 3/8 | 9.5 | 0.66 | 16.8 | 200 | 1.38 | 0.29 | 0.43 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Twin-Line Welding Grade R - Type VD



Product Specifications

Application

Use for welding service. This hose meets the ARPM IP-7 standard for Grade R welding hose.

Construction

> Tube

EPDM synthetic rubber, compatible with oxygen and acetylene gases

> Cover

EPDM synthetic rubber with a smooth surface

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: Twin-Line 1/4" Grade R Acetylene Only Std Duty
Max WP 200 psi Meets ARPM IP-7 Made in USA Continental
ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

569-588

Twin-Line Welding Grade R

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | |
|----------|------|-----|---------|------|---------|------|---------|------|
| | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027120 | 3/16 | 4.8 | 0.44 | 11.2 | 200 | 1.38 | 0.13 | 0.19 |
| 20027170 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.18 | 0.27 |
| 20027203 | 5/16 | 7.9 | 0.59 | 15.0 | 200 | 1.38 | 0.22 | 0.33 |
| 20027224 | 3/8 | 9.5 | 0.66 | 16.8 | 200 | 1.38 | 0.26 | 0.39 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Single Line Welding Grade T



Product Specifications

Application

Use for welding service. This hose meets ARPM IP-7 and CGA E-1 standards for Grade T welding hose and is non-conductive.

Construction

> Tube

Wingprene® synthetic rubber compound compatible with all common welding fuel gases

> Cover

Chemivic synthetic rubber ribbed surface

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: 1/4" Grade T Fuel Gas Std Duty Max WP 200 psi Meets ARPM IP-7/CGA E-1 Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

569-619 (red cover)

(acetylene or other common welding fuel gas)

569-620 (green cover) (oxygen)

Single Line Welding Grade T

| SAP # | ID | | Nom. OD | | Max. WP | | Weight | | |
|----------|----------------------|----------------|---------|------|---------|-----|--------|------|---------|
| | Red (Acetylene) | Green (Oxygen) | in. | mm | in. | mm | psi | MPa | lb./ft. |
| 20685102 | Call for information | 3/16 | 4.8 | 0.44 | 11.1 | 200 | 1.38 | 0.08 | 0.12 |
| 20027506 | 20683454 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.10 | 0.15 |
| 20309892 | 20308955 | 5/16 | 7.9 | 0.60 | 15.1 | 200 | 1.38 | 0.12 | 0.18 |
| 20027510 | 20027514 | 3/8 | 9.5 | 0.66 | 16.7 | 200 | 1.38 | 0.14 | 0.21 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

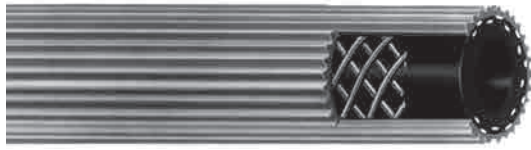
Welding

Coupling Systems

Equipment

Appendix

Single Line Welding Grade RM



Product Specifications

Application

For welding service. Meets ARPM IP-7 standard for Grade RM welding hose.

Construction

> Tube

SBR synthetic rubber (non-conductive)

> Cover

Chemivac synthetic rubber ribbed surface

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: 1/4" Grade RM Oxygen Std Duty Max WP 200 psi
Meets ARPM IP-7 Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

569-589 (red cover) (acetylene)
569-590 (green cover) (oxygen)

Single Line Welding Grade RM

| | | ID | | Nom. OD | | Max. WP | | Weight | |
|-----------------|----------------|-----|-----|---------|------|---------|------|---------|------|
| Red (Acetylene) | Green (Oxygen) | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027237 | 20027249 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.10 | 0.15 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Single Line Welding Grade R



Product Specifications

Application

Use for welding service. This hose meets the ARPM IP-7 standard for Grade R welding hose.

Construction

> Tube

EPDM synthetic rubber

> Cover

EPDM synthetic rubber ribbed surface

> Reinforcement

Spiral synthetic yarn

Temperature Range

-40°F to 120°F (-40°C to 49°C)

Packaging

500' reels

Branding

Example: 1/4" Grade R Acetylene Only Std Duty Max WP 200 psi Meets ARPM IP-7 Made in USA Continental ContiTech

Couplings

Refer to the ContiTech Industrial Hose Assembly Manual for crimp specifications.

Order Codes

569-591 (red cover) (acetylene)

569-592 (green cover) (oxygen)

Single Line Welding Grade R

| SAP # | | ID | | Nom. OD | | Max. WP | | Weight | |
|-----------------|----------------|------|-----|---------|------|---------|------|---------|------|
| Red (Acetylene) | Green (Oxygen) | in. | mm | in. | mm | psi | MPa | lb./ft. | kg/m |
| 20027257 | 20027276 | 3/16 | 4.8 | 0.44 | 11.1 | 200 | 1.38 | 0.08 | 0.12 |
| 20027261 | 20027280 | 1/4 | 6.4 | 0.53 | 13.5 | 200 | 1.38 | 0.10 | 0.15 |
| 20027267 | 20027292 | 5/16 | 7.9 | 0.60 | 15.1 | 200 | 1.38 | 0.11 | 0.16 |
| 20027271 | 20027295 | 3/8 | 9.5 | 0.66 | 16.7 | 200 | 1.38 | 0.13 | 0.19 |

Hose design ratio (burst pressure) 4:1.

Note: For welding hose precautions, see Appendix C.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
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Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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Appendix

Selecting the Proper Hose Assembly

In order to obtain the best service from any particular hose application, two important conditions must be fulfilled:

- 1) Select the right hose for the job.
- 2) Make sure that it is fitted correctly and used in the proper manner.

Carefully consider the application requirements. A helpful guide is the S.T.A.M.P.E.D. process. S.T.A.M.P.E.D. is an acronym and stands for the seven major information areas required to provide a quality hose assembly.

- S** **SIZE** - ID, OD and length of the assembly
- T** **TEMPERATURE** - includes the temperature of fluid conveyed and the climatic conditions
- A** **APPLICATION** - the conditions of use, including abrasion, flexing and routing
- M** **MATERIAL** - the type of material conveyed, including its composition and concentration
- P** **PRESSURE** - hose assembly working pressure and surge or back pressure
- E** **ENDS** - definition of the fitting, including material and thread type
- D** **DELIVERY** - time allowed for delivery, including testing, quality assurance and packaging

To assist in obtaining and conveying information regarding the application, a copy of the S.T.A.M.P.E.D. application form is included in this catalog. This inquiry sheet can be sent to any ContiTech authorized distributor for a hose recommendation.

Note:

A hose should always be selected based on its **rated working pressure**. Do not use **minimum burst pressure** as a guideline in selecting the hose. Minimum burst pressure decreases over the use and life of the hose. A hose should be selected based on its rated working pressure to provide a normal service life. In addition, always select a hose by giving consideration to its recommended temperature limits. Hose service life is reduced if the temperatures of the fluids being conveyed or ambient temperatures exceed the recommended limits.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

S.T.A.M.P.E.D. Form

| | | | | |
|--|--|-------|---|-------|
| Air & Multipurpose General Purpose Heavy Duty Push-on | Size | | Pressure(s) | |
| | ID | _____ | Working Pressure (including surges) | _____ |
| | OD | _____ | Burst Pressure | _____ |
| Chemical Transfer | Hose Length (OAL or unclpd. lgth.) | _____ | Suction or Vacuum Requirements | _____ |
| | Tolerances | _____ | Velocity | _____ |
| Cleaning Equipment | Temperature | | Impulse | _____ |
| | of Material Being Conveyed (high, low, ambient) | _____ | Ends & Fittings | |
| Food Dry Transfer Liquid Transfer Washdown | of Outside Exposure (high, low, ambient) | _____ | Type of Threads | _____ |
| | Intermittent? | _____ | Male/Female | _____ |
| | Constant? | _____ | Reusable/Nonreusable | _____ |
| Marine | Sub-zero Exposure | _____ | Material for Fittings | _____ |
| | Application(s) | | Built-in Fittings/Ends | _____ |
| Material Handling Abrasives Bulk Transfer Cement & Concrete | Indoor and/or Outdoor Use | _____ | Beaded | _____ |
| | Intermittent or Continuous Use | _____ | Flanged | _____ |
| | Flexibility Required (min. bend radius) | _____ | Rubber-lined | _____ |
| Mining | Movement (static, vibrations, flexing) | _____ | Other | _____ |
| | External Conditions: | | Cut to Length | _____ |
| Petroleum Aircraft Fueling Dispensing Dock Rig Supply Transfer Discharge Transfer S&D | Abrasion | _____ | Crimp Specs or Crimper Used | _____ |
| | Oil | _____ | Delivery | |
| | Solvents | _____ | Lead Time | _____ |
| Specialty | Acid | _____ | Quantity | _____ |
| | Ozone | _____ | Stock/Non-stock | _____ |
| Steam | Electrical/Static Conductive | _____ | Special Print | _____ |
| | Oil Resistance: | | Special Packaging | _____ |
| Vacuum | Tube | _____ | Other Information | |
| | Cover | _____ | Customer: _____ Date: _____ | |
| Water Discharge Suction & Discharge Washdown Garden | Flame Resistance | _____ | Customer No.: _____ | |
| | Noncontaminating Materials | _____ | Ship To: _____ | |
| | Hose Currently in Use | _____ | Bill To: _____ | |
| Welding | Current Hose Service Life/Failure Description | _____ | Telephone: _____ Fax: _____ | |
| | Service Life Desired | _____ | Bolded block areas MUST be filled out on all inquiries. | |
| Coupling Systems | Material(s) Being Conveyed | | | |
| | Solids (size, description) | _____ | | |
| | Gaseous (volatility, inert) | _____ | | |
| Equipment | Liquids (flammability, causticity, acid, alkaline, solution/concentration) | _____ | | |
| | Chemical Names (generic) | _____ | | |

Coupling Systems



| | Page | Aluminum | Stainless Steel | Brass | Carbon Steel | Steel |
|---|------|----------|-----------------|-------|--------------|-------|
| Insta-Lock Dust Cap | 328 | Yes | Yes | Yes | No | No |
| Insta-Lock Dust Plug | 329 | Yes | Yes | Yes | No | Yes |
| Insta-Lock Fittings Reducers & Jump Sizes | 326 | Yes | Yes | | Yes | Yes |
| Insta-Lock Gaskets | 331 | | | | No | No |
| Insta-Lock Interlocking Ferrules | 332 | | Yes | | Yes | |
| Insta-Lock Interlocking Stainless Steel Male NPT Hose Stem | 327 | | Yes | | | |
| Insta-Lock Repair Kits | 330 | | Yes | Yes | | |
| Insta-Lock Type A | 320 | Yes | Yes | Yes | | |
| Insta-Lock Type B | 321 | Yes | Yes | Yes | | |
| Insta-Lock Type C | 322 | Yes | Yes | Yes | | |
| Insta-Lock Type D | 323 | Yes | Yes | Yes | | |
| Insta-Lock Type E | 324 | Yes | Yes | Yes | | |
| Insta-Lock Type F | 325 | Yes | Yes | Yes | No | Yes |
| Pressure Washer Fittings | 334 | | | | | Yes |
| Stainless Steel & Aluminum Crimp Sleeves for Infinity and Paladin Hose | 333 | Yes | Yes | | | |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

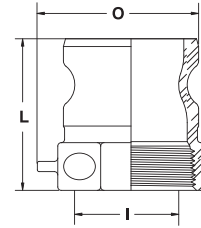
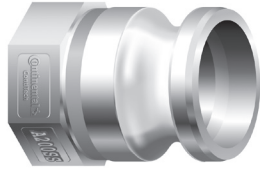
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type A Male Adapter X Female NPT Thread



Product Specifications

Application

Type A fittings are commonly threaded onto a pipe, threaded hose end or manifold system, that is connected and disconnected on a regular basis. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, Brass and 316# Stainless Steel

Pressure Rating

Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C).

Branding

Example: Continental ContiTech A200SS

Order Codes

650-825 (aluminum), 650-833 (brass),
650-841 (stainless steel)

Insta-Lock™ Type A Male Adapter X Female NPT Thread

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | A050AL | A050SS | A050BR |
| 3/4 | A075AL | A075SS | A075BR |
| 1 | A100AL | A100SS | A100BR |
| 1¼ | A125AL | A125SS | A125BR |
| 1½ | A150AL | A150SS | A150BR |
| 2 | A200AL | A200SS | A200BR |
| 2½ | A250AL | A250SS | A250BR |
| 3 | A300AL | A300SS | A300BR |
| 4 | A400AL | A400SS | A400BR |
| 5 | A500AL | A500SS | A500BR |
| 6 | A600AL | A600SS | A600BR |

| Size | Distance Chain Lug Extends from Body | Overall Length (L) | Maximum Width Across Adapter (O) | Minimum ID (I) |
|------|--------------------------------------|--------------------|----------------------------------|----------------|
| in. | in. | in. | in. | in. |
| 1/2 | 0.375 | 1.656 | 1.500 | 0.500 |
| 3/4 | 0.375 | 1.656 | 1.688 | 0.781 |
| 1 | 0.375 | 2.163 | 1.804 | 0.875 |
| 1¼ | 0.375 | 2.437 | 2.237 | 1.063 |
| 1½ | 0.375 | 2.531 | 2.368 | 1.375 |
| 2 | 0.375 | 2.781 | 2.909 | 1.750 |
| 2½ | 0.375 | 3.093 | 3.585 | 2.187 |
| 3 | 0.375 | 3.281 | 4.009 | 2.812 |
| 4 | 0.375 | 3.528 | 5.257 | 3.750 |
| 5 | 0.375 | 3.813 | 6.438 | 4.688 |
| 6 | 0.375 | 3.656 | 7.688 | 5.750 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type B Female Coupler X Male NPT Thread



Product Specifications

Application

Type B fittings are normally threaded onto a pipe or manifold which joins to a rubber hose assembly that is connected and disconnected regularly. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, Brass and 316# Stainless Steel

Pressure Rating

Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C) with standard nitrile gaskets.

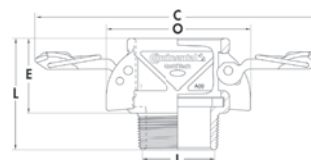
Branding

Example: Continental ContiTech B200SS

Order Codes

650-826 (aluminum), 650-834 (brass),
650-842 (stainless steel)

Insta-Lock™ Type B Female Coupler X Male NPT Thread



| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | B050AL | B050SS | B050BR |
| 3/4 | B075AL | B075SS | B075BR |
| 1 | B100AL | B100SS | B100BR |
| 1¼ | B125AL | B125SS | B125BR |
| 1½ | B150AL | B150SS | B150BR |
| 2 | B200AL | B200SS | B200BR |
| 2½ | B250AL | B250SS | B250BR |
| 3 | B300AL | B300SS | B300BR |
| 4 | B400AL | B400SS | B400BR |
| 5 | B500AL | B500SS | B500BR |
| 6 | B600AL | B600SS | B600BR |

| Size | Max. Width with Cam Arms Closed (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) | Max. Width with Cam Arms Extended (C) |
|------|-------------------------------------|--------------------|--------------------|----------------|---------------------------------------|
| in. | in. | in. | in. | in. | in. |
| 1/2 | 2.469 | 1.906 | 1.188 | 0.469 | 4.969 |
| 3/4 | 2.781 | 2.031 | 1.313 | 0.688 | 5.261 |
| 1 | 2.920 | 2.500 | 1.625 | 0.875 | 5.367 |
| 1¼ | 3.510 | 2.937 | 2.000 | 1.063 | 7.669 |
| 1½ | 3.830 | 2.937 | 2.000 | 1.375 | 7.967 |
| 2 | 4.210 | 3.218 | 2.156 | 1.750 | 8.340 |
| 2½ | 4.720 | 3.718 | 2.250 | 2.187 | 8.837 |
| 3 | 5.680 | 4.000 | 2.468 | 2.812 | 10.435 |
| 4 | 6.780 | 4.218 | 2.593 | 3.750 | 11.538 |
| 5 | 7.813 | 4.406 | 2.625 | 4.688 | 12.571 |
| 6 | 9.344 | 4.750 | 2.844 | 5.750 | 16.096 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service. ContiTech Insta-Lock™ cam arms are designed exclusively for Insta-Lock™ fittings.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

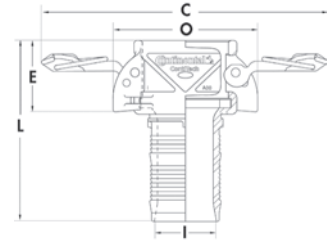
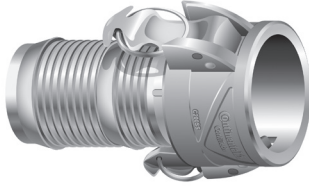
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type C Female Coupler X Hose Shank



Product Specifications

Application

Type C fittings can be attached to rubber hose with the use of interlocking ferrules, crimp sleeves or bands. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, Brass and 316# Stainless Steel

Pressure Rating

Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C) with standard nitrile gaskets.

Branding

Example: Continental ContiTech C200SS

Order Codes

650-827 (aluminum), 650-835 (brass),
650-843 (stainless steel)

Insta-Lock™ Type C Female Coupler X Hose Shank

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | C050AL | C050SS | C050BR |
| 3/4 | C075AL | C075SS | C075BR |
| 1 | C100AL | C100SS | C100BR |
| 1¼ | C125AL | C125SS | C125BR |
| 1½ | C150AL | C150SS | C150BR |
| 2 | C200AL | C200SS | C200BR |
| 2½ | C250AL | C250SS | C250BR |
| 3 | C300AL | C300SS | C300BR |
| 4 | C400AL | C400SS | C400BR |
| 5 | C500AL | C500SS | C500BR |
| 6 | C600AL | C600SS | C600BR |

| Size | Max. Width with Cam Arms Closed (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) | Max. Width with Cam Arms Extended (C) |
|------|-------------------------------------|--------------------|--------------------|----------------|---------------------------------------|
| in. | in. | in. | in. | in. | in. |
| 1/2 | 2.469 | 3.063 | 1.188 | 0.260 | 4.969 |
| 3/4 | 2.781 | 3.656 | 1.313 | 0.490 | 5.261 |
| 1 | 2.920 | 4.250 | 1.975 | 0.718 | 5.367 |
| 1¼ | 3.510 | 4.625 | 2.350 | 0.906 | 7.669 |
| 1½ | 3.830 | 4.750 | 2.370 | 1.156 | 7.967 |
| 2 | 4.210 | 5.281 | 2.531 | 1.625 | 8.340 |
| 2½ | 4.720 | 5.750 | 2.625 | 2.093 | 8.837 |
| 3 | 5.680 | 6.840 | 2.849 | 2.560 | 10.435 |
| 4 | 6.780 | 7.218 | 2.994 | 3.468 | 11.538 |
| 5 | 7.813 | 7.563 | 2.625 | 4.469 | 12.571 |
| 6 | 9.344 | 8.969 | 2.844 | 5.469 | 16.096 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service. ContiTech Insta-Lock™ cam arms are designed exclusively for Insta-Lock™ fittings.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type D Female Coupler X Female NPT Thread



Product Specifications

Application

Type D fittings are commonly threaded onto a pipe, threaded hose end or manifold system, which is connected and disconnected on a regular basis. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, Brass and 316# Stainless Steel

Pressure Rating

Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C) with standard nitrile gaskets.

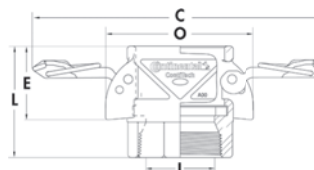
Branding

Example: Continental ContiTech D200SS

Order Codes

650-828 (aluminum), 650-836 (brass),
650-844 (stainless steel)

Insta-Lock™ Type D Female Coupler X Female NPT Thread



| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | D050AL | D050SS | D050BR |
| 3/4 | D075AL | D075SS | D075BR |
| 1 | D100AL | D100SS | D100BR |
| 1¼ | D125AL | D125SS | D125BR |
| 1½ | D150AL | D150SS | D150BR |
| 2 | D200AL | D200SS | D200BR |
| 2½ | D250AL | D250SS | D250BR |
| 3 | D300AL | D300SS | D300BR |
| 4 | D400AL | D400SS | D400BR |
| 5 | D500AL | D500SS | D500BR |
| 6 | D600AL | D600SS | D600BR |

| Size | Max. Width with CAM Arms Closed (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) | Max. Width with CAM Arms Extended (C) |
|------|-------------------------------------|--------------------|--------------------|----------------|---------------------------------------|
| in. | in. | in. | in. | in. | in. |
| 1/2 | 2.469 | 1.813 | 1.188 | 0.656 | 4.969 |
| 3/4 | 2.781 | 2.063 | 1.313 | 0.813 | 5.261 |
| 1 | 2.920 | 2.375 | 1.975 | 1.000 | 5.367 |
| 1¼ | 3.510 | 2.687 | 2.350 | 1.300 | 7.669 |
| 1½ | 3.830 | 2.843 | 2.370 | 1.560 | 7.967 |
| 2 | 4.210 | 3.156 | 2.531 | 1.937 | 8.340 |
| 2½ | 4.720 | 3.437 | 2.625 | 2.312 | 8.837 |
| 3 | 5.680 | 3.718 | 2.849 | 2.937 | 10.435 |
| 4 | 6.780 | 4.030 | 2.994 | 3.750 | 11.538 |
| 5 | 7.813 | 4.313 | 2.563 | 4.688 | 12.571 |
| 6 | 9.344 | 4.513 | 2.719 | 5.750 | 16.096 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service. ContiTech Insta-Lock™ cam arms are designed exclusively for Insta-Lock™ fittings.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

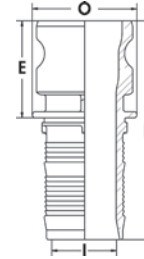
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type E Male Adapter X Hose Shank



Product Specifications

Application

Type E fittings can be attached to rubber hose with the use of interlocking ferrules, crimp sleeves and bands. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, Brass and 316# Stainless Steel

Pressure Rating

Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C) with standard nitrile gaskets.

Branding

Example: ContiTech ContiTech E200SS

Order Codes

650-829 (aluminum), 650-837 (brass),

650-845 (stainless steel)

Insta-Lock™ Type E Male Adapter X Hose Shank

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | E050AL | E050SS | E050BR |
| 3/4 | E075AL | E075SS | E075BR |
| 1 | E100AL | E100SS | E100BR |
| 1¼ | E125AL | E125SS | E125BR |
| 1½ | E150AL | E150SS | E150BR |
| 2 | E200AL | E200SS | E200BR |
| 2½ | E250AL | E250SS | E250BR |
| 3 | E300AL | E300SS | E300BR |
| 4 | E400AL | E400SS | E400BR |
| 5 | E500AL | E500SS | E500BR |
| 6 | E600AL | E600SS | E600BR |

| Size | Maximum OD (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) |
|------|----------------|--------------------|--------------------|----------------|
| in. | in. | in. | in. | in. |
| 1/2 | 1.188 | 3.500 | 1.625 | 0.260 |
| 3/4 | 1.262 | 3.969 | 1.625 | 0.490 |
| 1 | 1.625 | 4.569 | 1.944 | 0.718 |
| 1¼ | 2.000 | 4.812 | 2.187 | 0.906 |
| 1½ | 2.312 | 5.000 | 2.250 | 1.156 |
| 2 | 2.687 | 5.625 | 2.500 | 1.625 |
| 2½ | 3.062 | 6.187 | 2.687 | 2.093 |
| 3 | 3.781 | 7.125 | 2.750 | 2.562 |
| 4 | 4.875 | 7.434 | 2.809 | 3.468 |
| 5 | 6.563 | 7.844 | 2.906 | 4.469 |
| 6 | 7.125 | 9.188 | 3.063 | 5.469 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

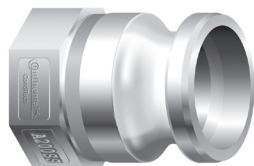
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Type F Male Adapter X Male NPT Thread



Product Specifications

Application

Type F fittings are normally threaded onto pipes, or manifold connections and mated with Part C, Part B or Part D. They can be used in applications that require frequent connections. Insta-Lock™ fittings are designed for liquids and dry bulk. Consult the chemical resistance guide for specific chemical recommendations.

Materials

Aluminum, 316# Stainless Steel and Brass

Pressure Rating

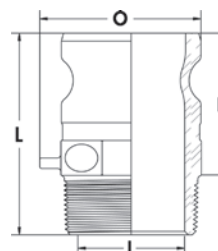
Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C).

Branding

Example: Continental ContiTech F200SS

Order Codes

650-830 (aluminum), 650-838 (brass),
650-846 (stainless steel)



Insta-Lock™ Type F Male Adapter X Male NPT Thread

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|--------|
| 1/2 | F050AL | F050SS | F050BR |
| 3/4 | F075AL | F075SS | F075BR |
| 1 | F100AL | F100SS | F100BR |
| 1¼ | F125AL | F125SS | F125BR |
| 1½ | F150AL | F150SS | F150BR |
| 2 | F200AL | F200SS | F200BR |
| 2½ | F250AL | F250SS | F250BR |
| 3 | F300AL | F300SS | F300BR |
| 4 | F400AL | F400SS | F400BR |
| 5 | F500AL | F500SS | F500BR |
| 6 | F600AL | F600SS | F600BR |

| Size | Max. Width Across Adapter (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) | Distance Chain Lug Extends from BOD |
|------|-------------------------------|--------------------|--------------------|----------------|-------------------------------------|
| in. | in. | in. | in. | in. | in. |
| 1/2 | 1.150 | 2.250 | 1.531 | 0.469 | 0.375 |
| 3/4 | 1.688 | 2.375 | 1.656 | 0.688 | 0.375 |
| 1 | 1.730 | 2.819 | 2.038 | 0.875 | 0.375 |
| 1¼ | 2.130 | 3.156 | 2.279 | 1.187 | 0.375 |
| 1½ | 2.300 | 3.222 | 2.347 | 1.437 | 0.375 |
| 2 | 2.909 | 3.593 | 2.596 | 1.750 | 0.375 |
| 2½ | 3.281 | 4.218 | 2.812 | 2.187 | 0.375 |
| 3 | 3.844 | 4.343 | 2.875 | 2.812 | 0.375 |
| 4 | 4.994 | 4.746 | 3.184 | 3.734 | 0.375 |
| 5 | 6.188 | 4.906 | 3.125 | 4.688 | 0.375 |
| 6 | 7.500 | 5.219 | 3.313 | 5.750 | 0.375 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service. ContiTech Insta-Lock™ cam arms are designed exclusively for Insta-Lock™ fittings.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Fittings - Reducers & Jump Sizes



Insta-Lock™ Fittings - Reducers & Jump Sizes

| SAP# | Part Name | Description | Size | Material |
|----------|-----------|---|--------|-----------------|
| in. | in. | in. | in. | in. |
| 20668616 | AA200AL | Spool Adapter (Male X Male) | 2 X 2 | Aluminum |
| 20668617 | AA300AL | Spool Adapter (Male X Male) | 3 X 3 | Aluminum |
| 20668618 | AA400AL | Spool Adapter (Male X Male) | 4 X 4 | Aluminum |
| 20668774 | DA3020AL | Jump Size Female Coupler X Male Adapter | 3 X 2 | Aluminum |
| 20668775 | DA3040AL | Jump Size Female Coupler X Male Adapter | 3 X 4 | Aluminum |
| 20668776 | DA4030AL | Jump Size Female Coupler X Male Adapter | 4 X 3 | Aluminum |
| 20668777 | DA6040AL | Jump Size Female Coupler X Male Adapter | 6 X 4 | Aluminum |
| 20668779 | DD300AL | Female Coupler X Female Coupler | 3 X 3 | Aluminum |
| 20668780 | DD400AL | Female Coupler X Female Coupler | 4 X 4 | Aluminum |
| 20739387 | C3024SS | Female Coupler X Barb Stainless | 3 X 2½ | Stainless Steel |
| 20739389 | E3025SS | Male Adapter X Barb Stainless | 3 X 2½ | Stainless Steel |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Interlocking Stainless Steel Male NPT Hose Stem



Product Specifications

Application

Interlocking Stainless Steel Male NPT Hose Stem fittings are designed to be attached to a rubber hose with the use of a ContiTech Insta-Lock™ ferrule. Consult the chemical resistance guide for specific chemical resistance recommendations.

Materials

316# Stainless Steel

Pressure Rating

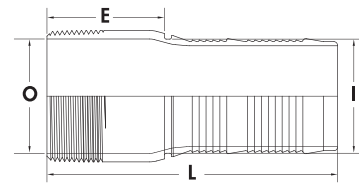
Sizes 1" to 2" 250 psi, 2½" to 4" 150 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C).

Branding

Example: Continental ContiTech GTM200SS

Order Codes

604-824 (stainless steel)



Insta-Lock™ Interlocking Stainless Steel Male NPT Hose Stem

| Size | Stainless Steel |
|------|-----------------|
| 1 | GTM100SS |
| 1¼ | GTM125SS |
| 1½ | GTM150SS |
| 2 | GTM200SS |
| 2½ | GTM250SS |
| 2½ | GTM325SS |
| 3 | GTM300SS |
| 4 | GTM400SS |

| Size | Maximum OD (O) | Overall Length (L) | Exposed Length (E) | Minimum ID (I) |
|------|----------------|--------------------|--------------------|----------------|
| in. | in. | in. | in. | in. |
| 1 | 1.315 | 4.375 | 1.750 | 0.830 |
| 1¼ | 1.660 | 4.500 | 1.875 | 1.130 |
| 1½ | 1.900 | 4.750 | 2.000 | 1.360 |
| 2 | 2.375 | 5.250 | 2.125 | 1.820 |
| 2½ | 2.875 | 6.125 | 2.625 | 2.240 |
| 3 | 3.500 | 7.000 | 2.625 | 2.730 |
| 4 | 4.500 | 7.625 | 3.000 | 3.710 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

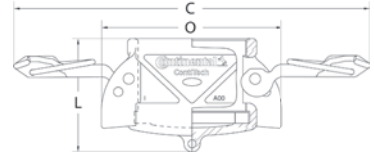
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Dust Cap



Product Specifications

Application

Insta-Lock™ Dust Caps are used to seal the pipe system and hose assemblies during non-use or transfer of the assembly. Mating parts are the Part A, Part E and Part F.

Materials

Aluminum, Brass and 316# Stainless Steel (standard nitrile gasket)

Branding

Example: Continental ContiTech DC200SS

Order Codes

650-831 (aluminum), 650-839 (brass),
650-847 (stainless steel)

Insta-Lock™ Dust Cap

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|---------|
| 1/2 | DC050AL | DC050SS | DC050BR |
| 3/4 | DC075AL | DC075SS | DC075BR |
| 1 | DC100AL | DC100SS | DC100BR |
| 1¼ | DC125AL | DC125SS | DC125BR |
| 1½ | DC150AL | DC150SS | DC150BR |
| 2 | DC200AL | DC200SS | DC200BR |
| 2½ | DC250AL | DC250SS | DC250BR |
| 3 | DC300AL | DC300SS | DC300BR |
| 4 | DC400AL | DC400SS | DC400BR |
| 5 | DC500AL | DC500SS | DC500BR |
| 6 | DC600AL | DC600SS | DC600BR |

| Size | Max. Width with Cam Arms Closed (O) | Overall Length (L) | OD with Cam Arms Extended (C) | Distance Chain Lug Extends from Body |
|------|-------------------------------------|--------------------|-------------------------------|--------------------------------------|
| in. | in. | in. | in. | in. |
| 1/2 | 2.469 | 1.625 | 4.969 | 0.375 |
| 3/4 | 2.781 | 1.625 | 5.261 | 0.375 |
| 1 | 2.920 | 2.086 | 5.367 | 0.375 |
| 1¼ | 3.510 | 2.360 | 7.669 | 0.375 |
| 1½ | 3.830 | 2.400 | 7.967 | 0.375 |
| 2 | 4.210 | 2.633 | 8.340 | 0.375 |
| 2½ | 4.720 | 2.786 | 8.837 | 0.375 |
| 3 | 5.680 | 2.957 | 10.435 | 0.375 |
| 4 | 6.780 | 3.134 | 11.538 | 0.375 |
| 5 | 7.813 | 3.219 | 12.571 | 0.375 |
| 6 | 9.344 | 3.500 | 16.096 | 0.375 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service.

ContiTech Insta-Lock™ cam arms are designed exclusively for Insta-Lock™ fittings.

Warning: Dust Caps and Dust Plugs are not to be used in pressure applications for safety and environmental reasons.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

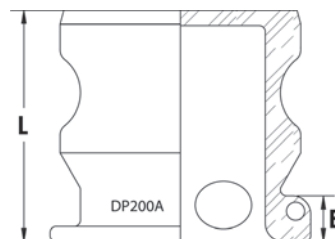
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Dust Plug



Product Specifications

Application

Insta-Lock™ Dust Plugs are used to seal the pipe system and hose assemblies during non-use or transfer of the assembly. Mating parts include the Part C, Part B and Part D.

Materials

Aluminum, Brass and 316# Stainless Steel

Branding

Example: Continental ContiTech DP200SS

Order Codes

650-832 (aluminum), 650-840 (brass),
650-848 (stainless steel)

Insta-Lock™ Dust Plug

| Size | Aluminum | Stainless Steel | Brass |
|------|----------|-----------------|---------|
| 1/2 | DP050AL | DP050SS | DP050BR |
| 3/4 | DP075AL | DP075SS | DP075BR |
| 1 | DP100AL | DP100SS | DP100BR |
| 1¼ | DP125AL | DP125SS | DP125BR |
| 1½ | DP150AL | DP150SS | DP150BR |
| 2 | DP200AL | DP200SS | DP200BR |
| 2½ | DP250AL | DP250SS | DP250BR |
| 3 | DP300AL | DP300SS | DP300BR |
| 4 | DP400AL | DP400SS | DP400BR |
| 5 | DP500AL | DP500SS | DP500BR |
| 6 | DP600AL | DP600SS | DP600BR |

| Size | Overall Length (L) | Exposed Length (E) |
|------|--------------------|--------------------|
| in. | in. | in. |
| 1/2 | 1.531 | 0.500 |
| 3/4 | 1.563 | 0.500 |
| 1 | 1.843 | 0.469 |
| 1¼ | 2.125 | 0.469 |
| 1½ | 2.156 | 0.469 |
| 2 | 2.375 | 0.469 |
| 2½ | 2.437 | 0.469 |
| 3 | 2.500 | 0.469 |
| 4 | 2.559 | 0.469 |
| 5 | 2.594 | 0.469 |
| 6 | 2.781 | 0.469 |

Note: ContiTech Insta-Lock™ fittings are never to be used in steam or compressed air service.

Warning: Dust Caps and Dust Plugs are not to be used in pressure applications for safety and environmental reasons.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

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Insta-Lock™ Repair Kits



Product Specifications

Application

For the repair of Brass and 316# Stainless Steel handles.

Materials

1 handle, 1 finger ring, 1 pin

Order Codes

605-856 (brass), 605-855 (stainless steel)

Part Number System

First Three Digits = Size

S = Stainless Steel

B = Brass

C = ContiTech Insta-Lock™ Handle

M = Music Wire Ring

P = Pin

Insta-Lock™ Repair Kits

| Size | Stainless Steel Handles | Brass Handles |
|------|-------------------------|---------------|
| in. | in. | in. |
| 1/2 | 050SGMP | 050BGMP |
| 3/4 | 100SGMP | 100BGMP |
| 1 | 100SGMP | 100BGMP |
| 1¼ | 125SGMP | 125BGMP |
| 1½ | 150SGMP | 150BGMP |
| 2 | 200SGMP | 200BGMP |
| 2½ | 250SGMP | 250BGMP |
| 3 | 300SGMP | 300BGMP |
| 4 | 300SGMP | 300BGMP |
| 5 | 300SGMP | 300BGMP |
| 6 | 600SGMP | 600BGMP |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

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Liquid Transfer
Washdown

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Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

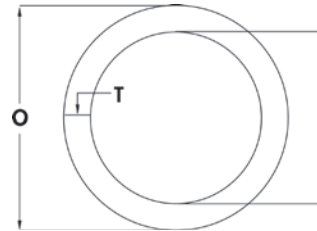
Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Gaskets



Product Specifications

Materials

Nitrile, Viton®, Teflon® Encapsulated Viton®,
White Polychloroprene, Polychloroprene, Silicone

Order Codes

650-849 (nitrile), 650-850 (Viton®), 650-851 (Teflon®),
650-852 (white polychloroprene),
650-853 (polychloroprene),
650-854 (silicone)

Part Number System

G = Gasket
First Three Digits = Size of Gasket
Letters = Gasket Material Code

Insta-Lock™ Gaskets

| Size | OD (O) | ID (I) | Thickness (T) |
|------|--------|--------|---------------|
| 1/2 | 1.031 | 0.688 | 0.156 |
| 3/4 | 1.375 | 0.875 | 0.218 |
| 1 | 1.563 | 1.062 | 0.250 |
| 1¼ | 1.938 | 1.359 | 0.250 |
| 1½ | 2.188 | 1.625 | 0.250 |
| 2 | 2.625 | 2.000 | 0.250 |
| 2½ | 3.125 | 2.375 | 0.250 |
| 3 | 3.719 | 3.000 | 0.250 |
| 4 | 4.875 | 4.000 | 0.250 |
| 5 | 5.906 | 4.875 | 0.250 |
| 6 | 7.063 | 6.000 | 0.250 |

| Size | Nitrile | Viton | Teflon Encapsulated Viton | White Polychloroprene | Poly-chloroprene | Silicone |
|------|---------|--------|---------------------------|-----------------------|------------------|----------|
| in. | in. | in. | in. | in. | in. | in. |
| 1/2 | G050BN | G050VT | G050TE | G050WN | G050NE | G050SL |
| 3/4 | G075BN | G075VT | G075TE | G075WN | G075NE | G075SL |
| 1 | G100BN | G100VT | G100TE | G100WN | G100NE | G100SL |
| 1¼ | G125BN | G125VT | G125TE | G125WN | G125NE | G125SL |
| 1½ | G150BN | G150VT | G150TE | G150WN | G150NE | G150SL |
| 2 | G200BN | G200VT | G200TE | G200WN | G200NE | G200SL |
| 2½ | G250BN | G250VT | G250TE | G250WN | G250NE | G250SL |
| 3 | G300BN | G300VT | G300TE | G300WN | G300NE | G300SL |
| 4 | G400BN | G400VT | G400TE | G400WN | G400NE | G400SL |
| 5 | G500BN | G500VT | G500TE | G500WN | G500NE | G500SL |
| 6 | G600BN | G600VT | G600TE | G600WN | G600NE | G600SL |

Nitrile = BN; Black
Teflon® = TE; White/Black with yellow stripe
Polychloroprene = NE; Black with red stripe
Viton® = VT; Black with yellow stripe
White Polychloroprene = WN; White
Silicone = SL; Red

Viton® is a registered trademark of DuPont Dow Elastomers L.L.C.
Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Interlocking Ferrules



Product Specifications

Materials

304# Stainless Steel
Plated Carbon Steel

Part Number System

FRSS200244 or FRCS200244

FR = Ferrule; SS = Stainless Steel; CS = Plated Carbon Steel

First Three Digits = Inside Diameter of Hose

Fourth Digit = Inside Diameter of Ferrule in Inches

Fifth and Sixth Digits = Inside Diameter of Ferrule in 64ths of an Inch

Insta-Lock™ Interlocking Ferrules

| | Stainless Steel | | | Plated Carbon Steel | | | | |
|---|-----------------|------------|-----|---------------------|----|------------|-----|------------|
| Mining | 1" | FRSS100124 | 2" | FRSS200232 | 3" | FRSS300332 | 1½" | FRCS150208 |
| | | FRSS100128 | | FRSS200236 | | FRSS300336 | | FRCS150212 |
| | | FRSS100132 | | FRSS200240 | | FRSS300340 | | FRCS150216 |
| | | FRSS100136 | | FRSS200244 | | FRSS300344 | | |
| Petroleum Aircraft Fueling Dispensing Dock Rig Supply Transfer Discharge Transfer S&D | | FRSS100140 | | FRSS200248 | | FRSS300348 | 2" | FRCS200232 |
| | | | | FRSS200252 | | FRSS300352 | | FRCS200236 |
| | 1¼" | FRSS125144 | | FRSS200256 | | FRSS300356 | | FRCS200240 |
| | | FRSS125148 | | FRSS200260 | | FRSS300360 | | FRCS200244 |
| Steam | | FRSS125152 | | | | FRSS300400 | | FRCS200248 |
| | Vacuum | FRSS125156 | 2½" | FRSS250256 | | FRSS300404 | | |
| | | | | FRSS250260 | | | 3" | FRCS300336 |
| Water Discharge Suction & Discharge Washdown Garden | 1½" | FRSS150156 | | FRSS250300 | 4" | FRSS400436 | | FRCS300340 |
| | | FRSS150160 | | FRSS250304 | | FRSS400440 | | FRCS300344 |
| | | FRSS150200 | | FRSS250308 | | FRSS400444 | | FRCS300348 |
| | | FRSS150204 | | FRSS250312 | | FRSS400448 | | |
| Welding | | FRSS150208 | | FRSS250316 | | FRSS400452 | 4" | FRCS400444 |
| | | FRSS150212 | | FRSS250320 | | FRSS400456 | | FRCS400448 |
| | | FRSS150216 | | FRSS150224 | | FRSS400460 | | FRCS400452 |
| | | FRSS150220 | | | | FRSS400500 | | |
| Coupling Systems | | FRSS150224 | | | | FRSS400504 | | |
| | Equipment | | | | | | | |
| Appendix | | | | | | | | |

Stainless Steel & Aluminum Crimp Sleeves for Infinity™/Paladin® Hoses



Product Specifications

Materials

304# Stainless Steel
Aluminum

Part Number System

CS = Crimp Sleeves SS = Stainless Steel SAL = Aluminum
First Three Digits = Inside Diameter of Hose
Fourth Digit = Inside Diameter of Sleeve in Inches
Fifth and Sixth Digits = Inside Diameter of Sleeve in 64ths of an Inch

Infinity™ and Paladin® Crimp Sleeves

| Size | Stainless Steel | Aluminum |
|------|-----------------|-----------|
| in. | part # | part # |
| 2 | CSSS200300 | SAL200260 |
| 3 | CSSS300400 | SAL300360 |
| 4 | CSSS400500 | SAL400460 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

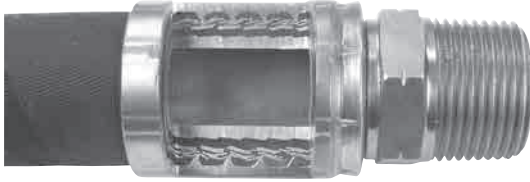
Welding

Coupling Systems

Equipment

Appendix

Pressure Washer Fittings



Product Specifications

Application

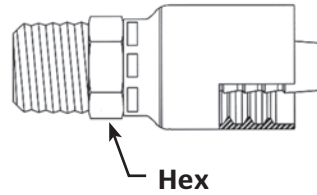
1/4" and 3/8" bite to wire pressure washer fittings are only for use with the following ContiTech pressure washer hose specs: Fortress® 3000, Neptune™ 3000, Neptune™ 4001-R, Neptune™ 4500, Gauntlet® 3000, Gauntlet® 4500, Galvanator® 3000 and Neptune™ 6000.

Materials

Steel, yellow zinc dichromate finish

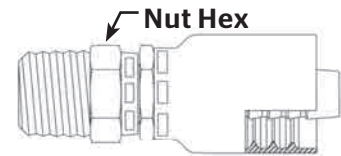
Branding

Not branded



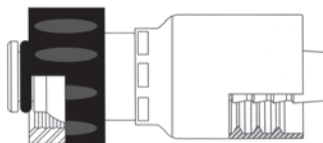
NPTF Male Solid

| SAP | Hose Size in. | Thread Size in. |
|----------|------------------|--------------------|
| 20221742 | 1/4 | 1/4-18 |
| 20190045 | 3/8 | 3/8-18 |



NPTF Male Swivel

| SAP | Hose Size in. | Thread Size in. |
|----------|------------------|--------------------|
| 20221743 | 1/4 | 1/4-18 |
| 20190047 | 3/8 | 3/8-18 |



22 mm Power Wash

| SAP | Hose Size in. | Thread Size mm. |
|----------|------------------|--------------------|
| 20207707 | 3/8 | 22 x 1.5 |

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

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Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

Water

- Discharge
- Suction & Discharge
- Washdown
- Garden

Welding

Coupling Systems

Equipment

Appendix

PC125M

Description

Carried to the jobsite with a handle and support stand, the PC125M is ideal for portable crimping requirements. Whether carried on-site or used in a vehicle, or even stationary at the shop, the PC125M is designed as a low-volume crimper or for occasional use. Crimp diameter is set and controlled with an easy-to-read micrometer. This affordable crimper is packaged in component parts to fit the need of the user. The PC125M has three power options. No electrical power source is required if using the hand or pneumatic pump option. A 1/2-HP, 110-V electric pump is available as well. The PC125M includes a die ring pusher, stand, compression ring, pressure plate and metric micrometer. Pumps and dies are purchased separately.



PC125M

Features

- › Easy-to-read, fully adjustable metric micrometer allows for precise setting of crimp diameters to an accuracy of +/- .1 mm
- › Open design with vertical feed for good operator visibility
- › Removable pusher and spring-loaded die set for easy loading
- › 60-ton cylinder
- › Two-piece, "slide in" die design for easy installation
- › Lightweight for portable field use
- › Color-coded die sets to speed die selection and setup
- › Attach hand, air or electric pump

Capability

- › 1/4" through 1 1/4" ID 2-braid hose and 1 1/4" ID 4-spiral hose with all coupling end styles including most bent tubes

Power Source

- › Optional Two-Stage Hand Pump, 10,000 psi (PC125-HPump)
- › Optional Air/Hydraulic Pump, 10,000 psi using 80 psi air (PC125-PPump)
- › Optional 1/2-HP, 110V AC, single-phase, 50-60 Hz Electric Pump (PC125M-.5EPump) with foot switch

Oil Capacity: 1 gallon

Mounting: Stand included

Dimensions: 14" L x 11" W x 23.5" H

Weight: 45 lb.

Dies

| Part Number | ID | Part Number | ID |
|-------------------|--------|-------------------|-------|
| PC125 - 8.5 Black | 8.5 mm | PC125 - 27 Brown | 27 mm |
| PC125 - 12 Black | 12 mm | PC125 - 31 Silver | 31 mm |
| PC125 - 14 Red | 14 mm | PC125 - 34 Purple | 34 mm |
| PC125 - 16 Blue | 16 mm | PC125 - 41 Orange | 41 mm |
| PC125 - 19 Green | 19 mm | PC125 - 45 Black | 45 mm |
| PC125 - 23 Yellow | 23 mm | PC125 - 50 Black | 50 mm |

Options

- › PC125M - Kit includes the PC125M crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 27 mm, 31 mm, 34 mm and 41 mm dies for 1/4" to 1" 1-braid and 2-braid hose
- › PC125 - Shelf-Black Die Storage Shelf 13" deep x 12.5" wide x 15" high, 12 lb.
- › PC125 - HPump - Two Stage Hand Pump
- › PC125 - PPump - Air/Hydraulic Pump
- › PC125M - .5EPump - 1/2 HP, 110-V Electric Pump

Replacement Parts

- › PC125M - Pusher - Die Ring Pusher
- › PC125 - CRing - Compression Ring
- › PC125 - PPlate - Pressure Plate
- › PC125 - Die Screw - Die Screw
- › PC125 - Die Spring - Die Spring
- › PC125 - HPump - Optional Two Stage Hand Pump
- › PC125 - PPump - Optional Air/Hydraulic Pump
- › PC125M - .5EPump - Optional 1/2-HP, 110-V Electric Pump
- › PC900 - Grease-3 oz. - High-pressure Grease in a 3 oz. Tube
- › PC900 - Grease-1 lb. - High-pressure Grease in a 1 lb. Can
- › PC900 - AerosolLube - High-pressure Grease in an Aerosol Can



Electric Pump (PC125M-.5EPump)



Metric Micrometer



PC125 Die Set



PC125 Die Storage Shelf



Hand Pump (PC125-HPump)



Air/Hydraulic Pump (PC125-PPump)

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| Air & Multipurpose |
| General Purpose |
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| Chemical Transfer |
| Cleaning Equipment |
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| Dry Transfer |
| Liquid Transfer |
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| Marine |
| Material Handling |
| Abrasives |
| Bulk Transfer |
| Cement & Concrete |
| Mining |
| Petroleum |
| Aircraft Fueling |
| Dispensing |
| Dock |
| Rig Supply |
| Transfer Discharge |
| Transfer S&D |
| Specialty |
| Steam |
| Vacuum |
| Water |
| Discharge |
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PC125

Description

The PC125 portable crimper, with its open design, removable pusher and easy-to-use spring-loaded die set, is designed for higher production volume and repetitive use. Crimp diameter is set and controlled with an easy-to-read micrometer.

The PC125 is packaged for shop service and includes the crimper and 1-HP, 110-V electric pump on a common base, with a compression ring, pressure plate, magnetized die ring pusher, start/stop remote pendant switch, metric micrometer, adjustable coupling stop and adjustable retraction stop.



PC125

Features

- › Easy-to-read, fully adjustable metric micrometer allows precise setting of crimp diameters to an accuracy of +/-1 mm
- › Open design with vertical feed for good operator visibility
- › Removable pusher and spring-loaded die set for easy loading
- › Magnetized pusher to attach compression ring for repetitive use
- › 60-ton cylinder
- › Automatic shutoff for precise crimps
- › Adjustable retraction stop limits ram retractions for quick repetitive crimps
- › Adjustable coupling stop for accurate, repetitive positioning of the assembly inside the dies
- › Two-piece, "slide in" die design for easy installation
- › Common base for bench mounting
- › Color-coded die sets to speed die selection and setup
- › 1-HP, 110-V pump
- › Pneumatic activation (no electric wires) of remote pendant switch

Capability

- › 1/4" through 1 1/4" ID 2-braid hose and 1 1/4" ID 4-spiral hose with all coupling end styles including most bent tubes

Power Source

- › 1-HP, 110V AC, single-phase, 50-60 Hz, Electric Pump (PC125/150-E1PUMP) with pneumatic start/stop pendant switch

Oil Capacity: 1 gallon

Mounting: Crimper and pump installed on plate

Dimensions: 20" L x 11" W x 19" H

Weight: 125 lb.

Dies

| Part Number | ID | Part Number | ID |
|-------------------|--------|-------------------|-------|
| PC125 - 8.5 Black | 8.5 mm | PC125 - 27 Brown | 27 mm |
| PC125 - 12 Black | 12 mm | PC125 - 31 Silver | 31 mm |
| PC125 - 14 Red | 14 mm | PC125 - 34 Purple | 34 mm |
| PC125 - 16 Blue | 16 mm | PC125 - 41 Orange | 41 mm |
| PC125 - 19 Green | 19 mm | PC125 - 45 Black | 45 mm |
| PC125 - 23 Yellow | 23 mm | PC125 - 50 Black | 50 mm |

Options

- › PC125 Kit includes the PC125 crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 27 mm, 31 mm, 34 mm and 41 mm dies for 1/4" to 1" 1-braid and 2-braid hose
- › PC125-Shelf - Black Die Storage Shelf Unit 13" deep x 12.5" wide x 15" high, 12 lb.

Replacement Parts

- › PC125 - Pusher - Die Ring Pusher with Magnets
- › PC125 - CRing - Compression Ring
- › PC125 - PPlate - Pressure Plate
- › PC125 - CStop - Adjustable Coupling Stop
- › PC125 - Die Screw - Die Screw
- › PC125 - Die Spring - Die Spring
- › PC125/150 - Switch - Pneumatic Start/Stop Pendant Switch for 1-HP Pump
- › PC125/150 - E1Pump - 1-HP 110-V Electric Pump
- › PC900 - Grease-3 oz. - High-pressure Grease in a 3 oz. Tube
- › PC900 - Grease-1 lb. - High-pressure Grease in a 1 lb. Can
- › PC900 - Aerosol Lube - High-pressure grease in an Aerosol Can



PC125 Die Storage Shelf



Metric Micrometer



PC125 Die Set



PC125 Coupling Stop



PC125 Retraction Stop



PC125 Magnetic Pusher

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General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

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PC150 Series Including PC150-1 & PC150-2

Description

The PC150-2 is a stationary crimper with more power to manufacture factory-quality hose assemblies quickly and easily. Its open design with removable pusher and "slide in" die configuration allows for good visibility and the easy loading of dies and hose assemblies. Crimp diameter is set and controlled with an easy-to-read micrometer. Designed to handle higher volumes in a shop environment, the PC150-2 includes the crimper and 2-HP pump on a common base with a pressure plate, compression ring, die ring pusher, start/stop remote pendant switch, metric micrometer, adjustable coupling stop, adjustable retraction stop and work light. The optional PC150-1 includes all the components of the PC150-2 and a 1-HP pump.



PC150-2

Features

- › Easy-to-read, fully adjustable metric micrometer allows for precise setting of crimp diameters to an accuracy of +/- .1 mm
- › Open design with vertical feed for good operator visibility
- › Removable pusher and spring-loaded die set for easy loading
- › 80-ton cylinder
- › Automatic shutoff for precise crimps
- › Adjustable retraction stop limits ram retractions for quick repetitive crimps
- › Adjustable coupling stop for accurate, repetitive positioning of the assembly inside the dies
- › Two-piece, "slide in" die set for easy installation
- › Common base for bench mounting
- › Color-coded die sets to speed die selection and setup
- › 2-HP, 220-V pump
- › Pneumatic activation (no electric wires) of remote pendant switch

Capability

- › 1/4" through 1 1/2" ID 2-braid hose and 4-spiral hose with all coupling end styles including most bent tubes

Power Source

- › 2-HP, 220-V AC, single-phase, 50-60 Hz Electric Pump (PC150-2EPump) for PC150-2 crimper
- › Optional 1-HP, 110-V AC, single-phase, 50-60 Hz Electric Pump (PC125/150-1EPump) for PC150-1 crimper

Oil Capacity: 1 gallon

Mounting: Crimper and pump installed on plate

Dimensions: 32" L x 16.5" W x 29" H

Weight: 275 lb.

Dies

| Part Number | ID | Part Number | ID |
|-------------------|--------|-------------------|-------|
| PC150 - 8.5 Black | 8.5 mm | PC150 - 27 Brown | 27 mm |
| PC150 - 12 Black | 12 mm | PC150 - 31 Silver | 31 mm |
| PC150 - 14 Red | 14 mm | PC150 - 34 Purple | 34 mm |
| PC150 - 16 Blue | 16 mm | PC150 - 41 Orange | 41 mm |
| PC150 - 19 Green | 19 mm | PC150 - 45 Black | 45 mm |
| PC150 - 23 Yellow | 23 mm | PC150 - 50 Black | 50 mm |
| PC150 - 27 Brown | 27 mm | PC150 - 56 Black | 56 mm |

Options

- › PC150 - 1 Kit includes PC150-1 crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm and 56 mm dies for 1/4" to 1 1/2" 1-braid to 4-spiral hose
- › PC150 - 2 Kit includes PC150-2 crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm and 56 mm dies for 1/4" to 1 1/2" 1-braid to 4-spiral hose
- › PC150 - Shelf - Black Die Storage Shelf Unit 15" deep x 20.5" wide x 16" high, 25 lb.
- › PC150 - Spacer - Spacer Kit for Elbows
- › PC150 - 1 with 1-HP Pump
- › PC150 - 2 with 2-HP Pump

Replacement Parts

- › PC150 - Pusher - Die Ring Pusher
- › PC150 - CRing - Compression Ring
- › PC150 - PPlate - Pressure Plate
- › PC150 - CStop - Adjustable Coupling Stop
- › PC150 - Die Screw - Die Screw
- › PC150 - Die Spring - Die Spring
- › PC125/150 - Switch - Pneumatic Start/Stop Pendant Switch for 1-HP or 2-HP Pump
- › PC150 - E2Pump - 2-HP Electric Pump for PC150-2 Crimper
- › PC125/150 - E1Pump - 1-HP Electric Pump for PC150-1 Crimper
- › PC900 - Grease-3 oz.-High-pressure Grease in a 3 oz. Tube
- › PC900 - Grease-1 lb.-High-pressure Grease in a 1 lb. Can
- › PC900-Aerosol Lube-High-pressure Grease in an Aerosol Can



PC150 Die Storage Shelf



PC125 Die Set



PC125 Coupling Stop



PC125 Retraction Stop

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Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

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Dry Transfer
Liquid Transfer
Washdown

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Abrasives
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Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
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PC150H Series Including PC150H-1 & PC150H-2

Description

The PC150H offers the ease of use of a horizontal crimper with the power and precise adjustment capabilities usually found in more costly models. With the same crimping capability as the PC150 Series, the "H" model offers hose feed horizontally from either front or rear through a large 4.9 inch throat opening. The PC150H can be ordered with a 1-HP electric pump (PC150H-1) or a 2-HP electric pump (PC150H-2), producing maximum force in a small package. The PC150H makes repetitive crimps fast and easy to accomplish with a precise, direct-read digital adjustment and a built-in cylinder retraction stop. The PC150H also offers convenience features found in both our vertical and horizontal crimpers including a pneumatic start/stop pendant switch, a magnetic die change tool, an optional die rack for storing dies and master die grease fittings as a special feature for easy lubrication.



PC150H

Features

- › Easy-to-read micrometer provides precise crimp settings
- › Hose feed is horizontal from both front and rear
- › Easy die loading with magnetic die change tool
- › Maximum die size 56 mm
- › 155-ton crimping force
- › Automatic shutoff for precise crimps
- › Retraction stop limits die travel for faster repetitive crimps
- › Large 13-quart oil reservoir to cool components during repetitive crimps
- › Pneumatic activation using remote pendant switch
- › 1-HP and 2-HP power options

Capability

- › 1/4" through 1 1/2" ID 2-braid hose and 4-spiral hose with all coupling styles and most bent tubes

Power Source

- › 1-HP, 110-V AC, single-phase (PC150H-1)
- › 2-HP, 220-V AC, single-phase (PC150H-2)

Oil Capacity: 13 quarts

Mounting: Bench or cabinet

Dimensions: 15.0" L x 23.5" W x 20.5" H

Weight: 245 lb.

Dies

| Part Number | ID | Part Number | ID |
|-------------|--------|-------------|-------|
| PC150H-8.5 | 8.5 mm | PC150H-31 | 31 mm |
| PC150H-12 | 12 mm | PC150H-34 | 34 mm |
| PC150H-14 | 14 mm | PC150H-41 | 41 mm |
| PC150H-16 | 16 mm | PC150H-45 | 45 mm |
| PC150H-19 | 19 mm | PC150H-50 | 50 mm |
| PC150H-23 | 23 mm | PC150H-56 | 56 mm |
| PC150H-27 | 27 mm | | |

Options

- › PC150H - 1 Kit includes the PC150H-1 crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm and 56 mm
- › PC150H - 2 Kit includes the PC150H-2 crimper and 7 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm and 56 mm
- › PC150H-Rack - Black die cabinet 7" deep x 13" wide x 18" high, holds 9 dies

Replacement Parts

- › PC900 - Grease-1 lb. - High-pressure Grease in a 1 lb. Can
- › PC900 - Aerosol Lube - High-pressure Grease in an Aerosol Can
- › PC125/150 Switch - Pneumatic Start/Stop Pendant Switch for 1-HP or 2-HP Pump
- › PC150H-DCT - Die Change Tool



PC150H Die Set



Die Change Tool



PC150H Die Rack



Digital Gauge

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Liquid Transfer
Washdown

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Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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PC200-P Series Including PC200-1, PC200-2 & PC200-3

Description

The PC200-P is a high-volume, high-capacity stationary crimper utilizing microprocessor control for the fastest, most accurate crimping system available. Crimp settings, dwell time, pre-set start positions and auto/manual operation are all easily set with electronic controls. This production crimper is a quick and easy way to make factory-quality hose assemblies. The standard package is the PC200-P crimper, which includes a 7.5-HP, 230-V/3-phase pump and foot pedal. The optional PC200-2 crimper includes a 7.5-HP, 480-V/3-phase pump and foot pedal. The optional PC200-3 (single-phase) crimper includes a 5-HP, 220-V/single-phase pump and foot pedal.



PC200-1

Features

- › Hose feed is horizontal from both front or rear
- › Accurate electronic PLC crimp diameter adjustment
- › Manual or automatic model
- › Max die size 78 mm
- › 340-ton cylinder
- › Automatic shutoff for precise crimps
- › Power return stroke and return limit control
- › Rapid retraction of die fingers through hydraulic system
- › Die sets easily changed using hand tool
- › Accommodates bent tube/elbow couplings with the ability of installing 2", 90-degree fittings on both ends

Capability

- › 1/4" through 2" ID 2-braid hose and 2" 6-spiral hose with all coupling end styles including most bent tubes

Power Source

- › 7.5-HP, 230-V AC, 3-phase, 60 Hz (PC200-E7.5-1Pump)
- › Optional 7.5-HP, 480-V AC, 3-phase, 60 Hz (PC200-E7.5-2 Pump) for the PC200-2 crimper
- › Optional 5-HP, 220-V AC, single-phase, 60 Hz for the PC200-3 crimper

Oil Capacity: 8 gallons

Mounting: Bench or cabinet

Dimensions: 18.5" L x 27.5" W x 31.5" H (without die cabinet)

Weight: 573 lb. (excluding cabinet)

Dies

| Part Number | ID | Part Number | ID |
|-------------|--------|-------------|-------|
| PC200 - 8.5 | 8.5 mm | PC200 - 41 | 41 mm |
| PC200 - 12 | 12 mm | PC200 - 45 | 45 mm |
| PC200 - 14 | 14 mm | PC200 - 50 | 50 mm |
| PC200 - 16 | 16 mm | PC200 - 56 | 56 mm |
| PC200 - 19 | 19 mm | PC200 - 62 | 62 mm |
| PC200 - 23 | 23 mm | PC200 - 69 | 69 mm |
| PC200 - 27 | 27 mm | PC200 - 74 | 74 mm |
| PC200 - 31 | 31 mm | PC200 - 78 | 78 mm |
| PC200 - 34 | 34 mm | | |

Options

- › PC200-P - 1 Kit includes the PC200-1 crimper and 10 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm and 78 mm dies for 1/4" to 2" 1-braid to 6-spiral hose
- › PC200 - 2 Kit includes the PC200-2 crimper and 10 die sets including 16 mm, 19 mm, 23 mm, 31 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm and 78 mm dies for 1/4" to 2" 1-braid to 6-spiral hose
- › PC200 - 3 Kit includes the PC200-3 crimper and 10 die sets including 16 mm, 19 mm, 23 mm, 27 mm, 31 mm, 34 mm, 41 mm, 50 mm, 56 mm and 69 mm
- › PC200 - Rack - Black Die Cabinet 20" deep x 30" wide x 29" high
- › PC200 - MBS - Manual Back Stop
- › PC200 - EBS - Electric Back Stop

Replacement Parts

- › PC900 - Grease-1 lb. - High-pressure Grease in a 1 lb. Can
- › PC900 - Aerosol Lube - High-pressure Grease in an Aerosol Can



PC200 Die Set

Optional Automatic Back Stop

Control Panel

Foot Switch

Die Cabinet

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Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

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Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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PC400-P Series Including PC400-P & PC400-1P

Description

The PC400-P is a high-volume, high-capacity stationary crimper utilizing microprocessor control for the fastest, most accurate crimping system available. Crimp settings, dwell time, pre-set start positions and auto/manual operation are all easily set with electronic controls. This production crimper is a quick and easy way to make both hydraulic and industrial hose assemblies. The standard package is the PC400-P crimper which includes a 7.5-HP, 230-V/3-phase pump and foot pedal. The optional PC400-1 crimper includes a 5-HP, 230-V/single-phase pump and foot pedal.



PC400

Features

- › Hose feed is horizontal from both front or rear
- › Accurate electronic PLC crimp diameter adjustment
- › Manual or automatic model
- › Maximum die opening: die closed diameter 78 mm (hydraulic) and 122 mm (industrial)
- › 265-ton cylinder
- › Automatic shutoff for precise crimps
- › Power return stroke and return limit control
- › Rapid retraction of die fingers through hydraulic system
- › Die sets easily changed using hand tool
- › Accommodates bent tube/elbow couplings with the ability of installing 2", 90-degree fittings on both ends

Capability

- › 1/4" through 2" ID 2-braid hose, and 2" 6-spiral hose and 4" industrial hose with all coupling end styles including most bent tubes
- › 1/2" through 4" ID industrial hose

Power Source

- › 7.5-HP, 230-V AC, 3-phase, 60 Hz for the PC400 crimper
- › Optional 5-HP, 230-V AC, single-phase for the PC400-1 crimper

Oil Capacity: 8 gallons

Mounting: Bench or cabinet

Dimensions: 18.5" L x 27.5" W x 31.5" H (without die cabinet)

Weight: 573 lb. (excluding cabinet)

Hydraulic Dies (PC400 utilizes PC200 dies)

| Part Number | ID | Part Number | ID |
|-------------|--------|-------------|-------|
| PC200 - 8.5 | 8.5 mm | PC200 - 34 | 34 mm |
| PC200 - 12 | 12 mm | PC200 - 41 | 41 mm |
| PC200 - 14 | 14 mm | PC200 - 45 | 45 mm |
| PC200 - 16 | 16 mm | PC200 - 50 | 50 mm |
| PC200 - 19 | 19 mm | PC200 - 56 | 56 mm |
| PC200 - 23 | 23 mm | PC200 - 62 | 62 mm |
| PC200 - 27 | 27 mm | PC200 - 69 | 69 mm |
| PC200 - 31 | 31 mm | PC200 - 74 | 74 mm |
| | | PC200 - 78 | 78 mm |

Industrial Dies

| Part Number | ID | Part Number | ID |
|-----------------|-------|----------------|--------|
| PC400 - 86-125L | 86 mm | PC400-114-125L | 114 mm |
| PC400 - 90-125L | 90 mm | PC400-118-125L | 118 mm |

Options

- › PC400 - Kit includes the PC400 crimper and 12 die sets including 16 mm, 19 mm, 23 mm, 27 mm, 31 mm, 34 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm and 78 mm dies for 1/4" to 2" 1-braid to 6-spiral hose
- › PC400 - 1 Kit includes the PC400-1 crimper and 12 die sets including 16 mm, 19 mm, 23 mm, 27 mm, 31 mm, 34 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm and 78 mm dies for 1/4" to 2" 1-braid to 6-spiral hose
- › PC200 - Rack - Black Die Cabinet 20" deep x 30" wide x 29" high
- › PC200 - MBS - Manual Back Stop
- › PC200 - EBS - Electric Back Stop

Replacement Parts

- › PC900 - Grease -1lb. High-pressure Grease in a 1 lb. Can
- › PC900 - Aerosol Lube - High-pressure Grease in an Aerosol Can



Control Panel



Foot Switch



Die Cabinet



Optional Automatic Back Stop

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Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

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Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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PC600L-P Crimper

Description

The PC600L-P is a high-volume, high-capacity stationary crimper utilizing the fully automatic ACT3™ microprocessor controller. The PC600L-P can produce 2,200 crimps per hour with 350 tons of crimping force to allow for both hydraulic and industrial hose assemblies, and it is ideal for production assembly applications. The standard PC600L-P crimper includes a 7.5-HP, 230 V-AC, 3-phase hydraulic pump.

Features

- › Fully automatic ACT3™ controller
- › Manual and automatic operation
- › Utilizes the PC200/400 dies with easy-to-change die tool
- › 350-ton cylinder
- › Built-in heavy-duty base with die holders
- › Allows for 2,200 crimps per hour
- › Automatic shutoff for precise crimps
- › Power return stroke and return limit control

Capability

- › 1/4" through 2.5" ID, 2-braid and 6-spiral hydraulic hose
- › 3/16" through 6" ID industrial hose

Power Source

- › 7.5-HP, 230-V/AC, 3-phase, 60 Hz

Dimensions

- › Master die inside diameter - 145 mm
- › Master die opening w/o dies - 273 mm
- › Maximum swaging diameter - 192 mm
- › Maximum die opening - 128 mm
- › Pump size: 21" L x 34" W x 36.5" H
- › Pump weight: 450 lb. (205 kg)
- › Machine size: 22" L x 36" W x 57" H

Weight: 4,500 lb. (2,041kg) Die Base/Cabinet (shipping weight)

The following dies are included in the standard PC600-P Kit:

Hydraulic Dies

| SAP # | Part # | Description |
|----------|----------|-------------|
| 20244976 | PC200-16 | 16 mm Die |
| 20244977 | PC200-19 | 19 mm Die |
| 20244978 | PC200-23 | 23 mm Die |
| 20244980 | PC200-31 | 31 mm Die |
| 20244982 | PC200-41 | 41 mm Die |
| 20244984 | PC200-50 | 50 mm Die |
| 20244985 | PC200-56 | 56 mm Die |
| 20244986 | PC200-62 | 62 mm Die |
| 20244987 | PC200-69 | 69 mm Die |
| 20249890 | PC200-78 | 78 mm Die |



PC600



Optional Automatic Back Stop

ContiTech Part Numbers

| SAP # | Part # | Description |
|----------|------------------|---|
| 20527520 | PC600-P Skit | PC600-P Kit 16-23 mm, 31 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm, 78 mm |
| 20548773 | PC600-P Skit H&I | Includes Hydraulic & Industrial Dies (Hyd: 16-23 mm, 31 mm, 41 mm, 50 mm, 56 mm, 62 mm, 69 mm, 79 mm) (Ind: 84 mm, 92 mm, 100 mm, 125 mm, 166 mm, 178 mm) |
| 20267266 | PC200/400-DCT | Die Change Tool |
| 20244972 | PC200-EBS | Electric Back Stop (Optional) |
| 20244971 | PC200-MBS | Manual Back Stop |

| |
|-------------------------------|
| Air & Multipurpose |
| General Purpose |
| Heavy Duty |
| Push-on |
| Chemical Transfer |
| Cleaning Equipment |
| Food |
| Dry Transfer |
| Liquid Transfer |
| Washdown |
| Marine |
| Material Handling |
| Abrasives |
| Bulk Transfer |
| Cement & Concrete |
| Mining |
| Petroleum |
| Aircraft Fueling |
| Dispensing |
| Dock |
| Rig Supply |
| Transfer Discharge |
| Transfer S&D |
| Specialty |
| Steam |
| Vacuum |
| Water |
| Discharge |
| Suction & Discharge |
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PC1000-P Crimper

Description

The PC1000-P is a high-volume, high-capacity stationary crimper utilizing the fully automatic ACT3™ microprocessor controller. The PC1000-P can produce 1,415 crimps per hour with 450 tons of crimping force to allow for both Hydraulic and Industrial hose assemblies, ideal for production assembly applications. The standard PC1000-P crimper includes a 7.5-HP, 230-V/AC, 3-phase hydraulic pump.

Features

- › Fully automatic ACT3™ controller
- › Manual and automatic operation
- › Utilizes the PC200/400 dies with easy-to-change die tool
- › 350-ton cylinder
- › Built-in heavy-duty base with die holders
- › Allows for 1,415 crimps per hour
- › Automatic shutoff for precise crimps
- › Power return stroke and return limit control

Capability

- › Up through 2½" ID, 2-braid, 4-spiral and 6-spiral hydraulic hose
- › 3/16" through 10" ID industrial hose

Power Source

- › Standard: 7.5-HP, 230-V/AC, 3-phase, 60 Hz
- › Optional: 7.5-HP, 460-V/AC, 3-phase, 60 Hz

Dimensions

- › Master die inside diameter - 230 mm
- › Master die opening w/o dies - 350 mm
- › Maximum swaging diameter - 192 mm
- › Maximum die opening - 125 mm
- › Machine size: 30" L x 44" W x 74" H

Weight: 6,185 lb. (2,806 kg)

ContiTech Part Numbers

| SAP # | Part # | Description |
|----------|---------------|---------------|
| 20588181 | PC1000-PX Kit | PC1000-PX Kit |

(3-phase 230-V dies 14-245) PC1000-P utilizes PC200/400/600 dies and change tool.



The following dies are included in the standard PC1000-PX Kit:

Hydraulic Dies

| SAP # | Part # | Description |
|----------|------------|-------------|
| 20244975 | PC200-14 | 14 mm Die |
| 20244976 | PC200-16 | 16 mm Die |
| 20244977 | PC200-19 | 19 mm Die |
| 20244978 | PC200-23 | 23 mm Die |
| 20244980 | PC200-31 | 31 mm Die |
| 20244982 | PC200-41 | 41 mm Die |
| 20244984 | PC200-50 | 50 mm Die |
| 20244985 | PC200-56 | 56 mm Die |
| 20244986 | PC200-62 | 62 mm Die |
| 20244987 | PC200-69 | 69 mm Die |
| 20249890 | PC200-78 | 78 mm Die |
| 20562098 | PC600-84 | 84 mm Die |
| 20562099 | PC600-92 | 92 mm Die |
| 20562650 | PC600-100 | 100 mm Die |
| 20562651 | PC600-108 | 108 mm Die |
| 20562652 | PC600-116 | 116 mm Die |
| 20562653 | PC600-126 | 126 mm Die |
| 20590712 | PC1000-166 | 166 mm Die |
| 20590713 | PC1000-178 | 178 mm Die |
| 20590714 | PC1000-215 | 215 mm Die |
| 20590715 | PC1000-245 | 245 mm Die |

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

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Liquid Transfer
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Bulk Transfer
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Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

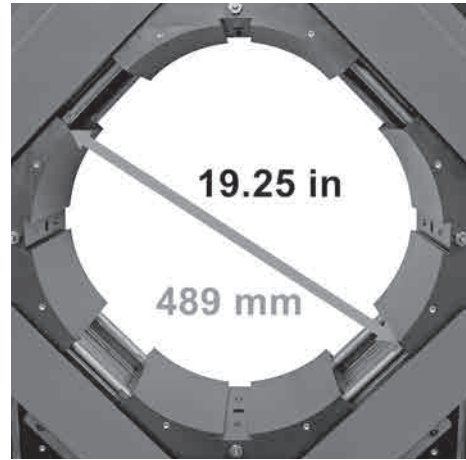
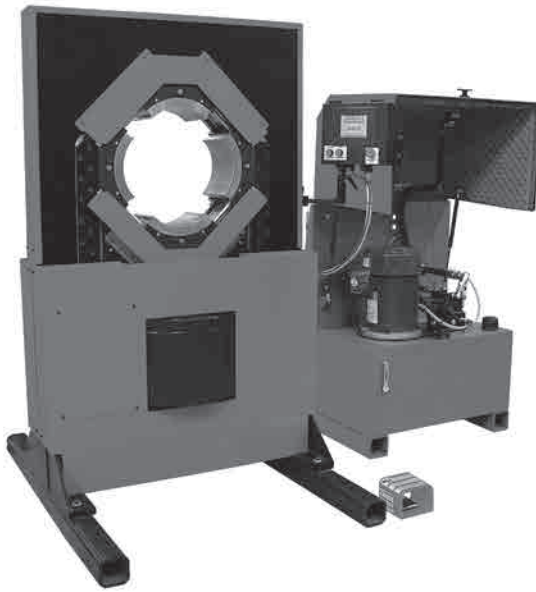
Equipment

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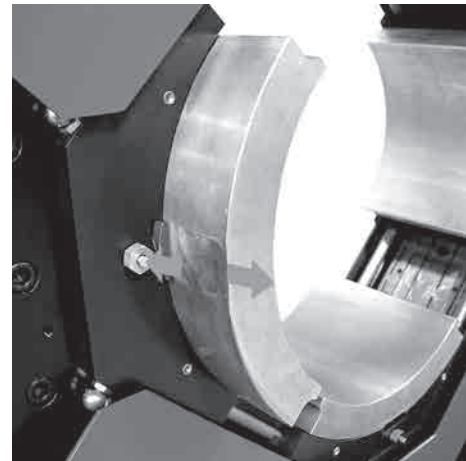
PC1200-P Industrial Crimper

The PC1200-P can be operated in manual mode for a single crimp or set up for fully automatic production crimping.

- › Hose capacity from 3 inch up to 14 inches of industrial hose
- › The PC1200-P crimper opens to 19¼ inches permitting special and angled fittings to be handled easily
- › 7.5-HP dual-stage pump
- › Industrial crimp calculator
- › Fully adjustable crimp diameter
- › Manual or automatic ACT™ controls
- › Enter crimp diameter in either inch or metric
- › Store frequently used dies and crimp settings in memory
- › Complete range of dies and accessories available



Maximum opening: 19.25"/489 mm



Quick-release Die

| |
|-------------------------------|
| Air & Multipurpose |
| General Purpose |
| Heavy Duty |
| Push-on |
| Chemical Transfer |
| Cleaning Equipment |
| Food |
| Dry Transfer |
| Liquid Transfer |
| Washdown |
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PC1200-P Industrial Crimper

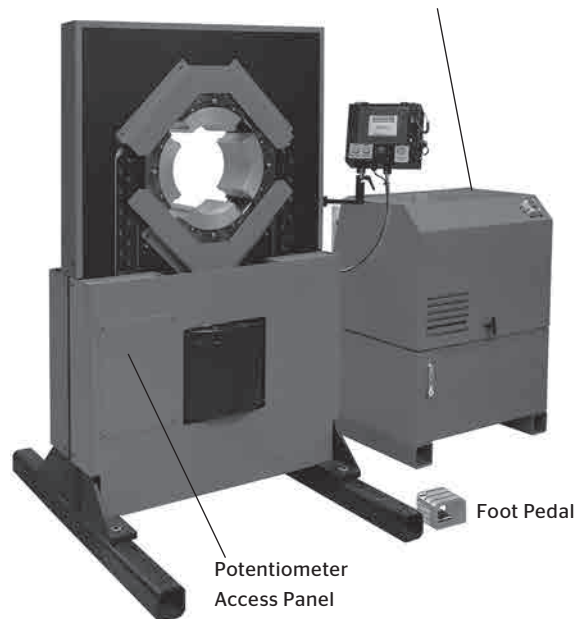
The patented ACT™ Crimp Controller

- › Can store up to 50 dies and 150 crimp settings
- › Pressure transducer monitors crimping "effort" eliminating "trial and error" crimping
- › Can track number of crimps and automatically pause for quality check at preset interval
- › Automatically converts inch to mm and mm to inch so that no calculation is ever required

Technical Specifications

| | |
|-------------------------------|--|
| Maximum Head Opening w/o Dies | 489 mm (19.25 in.) |
| Master Die Inside Diameter | 381 mm (15 in.) |
| Maximum Die Opening | 152 mm |
| Crimper Size | 30 in. W x 44 in. D x 74 in. H |
| Weight with Oil | 6185 lb. |
| Electrical Requirements | 230-V 3-Phase (Standard) 440-480-V 3-Phase (Optional) |
| Motor | 7.5-HP 1-Stage Pump (Standard) 10-HP (Optional) |
| Reservoir Capacity | 45 US Gal. |
| Oil Type | ISO 46 Hydraulic Oil |
| Adapter Dies | 381-275 mm and 275-160 mm |
| Hose Capacity | 12 in. Industrial |

The 7½-HP pump and electronics are housed in a separate cabinet and are easily accessible for maintenance.



ACT™ Control Module



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General Purpose
Heavy Duty
Push-on

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PCTB1500 / PCTB2500

Description

ContiTech PCTB Series Test Benches provide a safe and efficient method to test hose assemblies for burst or proof testing.

Features

- › Optional electronic model with programmable control including paper printout
- › 1/2" polycarbonate safety window
- › Safety lock to prevent operation when door is not closed
- › Standard garden hose inlet for water supply
- › Factory air inlet supply, 85 psi min. required
- › Powder-coated finish for durability
- › Polyurethane bedliner material coating on interior
- › 7-port outlet manifold for multiple testing
- › Built-in work light for good visibility during testing

Capability

- › PCTB1500 – Test pressure range to 21,500 psi (1500 bar)
- › PCTB2500 – Test pressure range to 37,500 psi (2500 bar)

Power Source

- › Standard 110-V/AC, Single-phase Grounded Outlet

Dimensions

- › Interior: 18" H x 35" W x 71" L
- › Includes test bench legs – test area at a convenient working height
- › Full opening allows for hose assemblies to be loaded on a skid

Weight: 750 lb.

ContiTech Part Numbers

| SAP # | Descriptive |
|----------|--------------------------|
| 20439763 | PCTB-1500 Test Bench |
| 20439764 | PCTB-1500 PLC Test Bench |
| 20554088 | PCTB-2500 Test Bench |
| 20554089 | PCTB-2500 PLC Test Bench |



PCTB1500



PCTB2500

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
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Mining

Petroleum

- Aircraft Fueling
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Steam

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Additional Products

Additional Non-Stock Specifications

| Order Code | Hose Description | Application |
|-------------------------------|---------------------------------|--|
| Air & Multipurpose | | |
| 549-153 | Ortac II | 200 psi air hose, Class A nitrile static dissipating tube, Red Class B cover |
| 549-007 | Plicord Air Yellow | 300 psi air hose, Class C non-conductive tube, Yellow Class C cover |
| 549-260 | Plicord Rock Drill | 400-500 psi air hose, Class C tube, Blue with Yellow stripe Class C cover |
| 549-613 | Air Super YC | 400 psi, Class C tube and cover, similar to 549-006 Plicord Air Green 400 but the Yellow Cover is twice the thickness |
| Chemical | | |
| 546-014 | Brown Chem-Acid Discharge | Chemrin tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals |
| 546-011 | Gray Chem-Acid Discharge | Weatherex tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals |
| 546-067 | Gray Flexwing | Weatherex tube, versatile chemical transfer hose capable of handling a wide variety of industrial chemicals |
| 546-064 | Yellow Flexwing | Chlorosulfonated Polyethylene tube, versatile chemical transfer hose capable of handling a wide variety of industrial chemicals |
| 546-010 | Yellow Chem-Acid Discharge | Chlorosulfonated Polyethylene tube, versatile chemical discharge hose capable of handling a wide variety of industrial chemicals |
| Food | | |
| 549-147 | White Flextra | Lightweight, flexible hose for transferring oily and non-oily edibles under pressure on tank truck or in-plant service |
| 549-150 | White Softwall | Discharge transfer of dry or liquid foods having either oily or non-oily bases |
| 539-404 | Sani-Wash Plus 1000 | Food washdown applications |
| 539-413 | Sani-Wash Plus 3000 | Food washdown applications |
| Marine | | |
| 586-454 | Spiraflex Marine Bilge | PVC hose for drain, vanity and scooper lines |
| 586-447 | Spiraflex Marine Livewell | PVC hose for head intake, discharge and pump out service |
| 586-439 | Spiraflex Marine Sanitation FDA | PVC hose for potable water transfer |
| 586-451 | Spiraflex Marine Vacuum | PVC hose for bilge pumps or holding tank pump out service |
| 586-444 | Spiraflex Marine Vacuum FDA | PVC hose for potable water transfer |
| Material Handling | | |
| Cust Serv | Concrete Vibrator Hose | Reinforced rubber sleeve for concrete vibrator |
| 541-262 | Clam Jetting | Softwall hose for underwater jetting and collection of clams |
| 549-859 | Blast Hole Slurry/Dewatering | Hardwall hose for filling blast hole with explosive |
| 541-814 | Plicord Hydrovator Red S&D | Corrugated SBR cover and red natural rubber tube provide good flexibility, durability and outstanding abrasion and tear resistance |
| 549-337 | Liquid Mud Hose | Transfer of drilling mud |
| 549-706 | Refractory Hose, 2 Plies | Refractory hose with static dissipating tube |
| 549-863 | Gunite, 4 Plies | Sand and cement gunning application with static dissipation tube |
| 586-479 | Mulchblower | PVC hose for transfer of mulch products |
| 586-477 | Barkblower | PVC heavy-duty hose for transfer of wood chips |
| Mining | | |
| 549-229 | Plicord Cable Cover Hose | Non-conductive hose for cooling/protection of electrical cables |

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Additional Products

Additional Non-Stock Specifications

| Order Code | Hose Description | Application |
|----------------------------|---|---|
| Petroleum | | |
| 541-593 | Dock Hose Nitrile FDA | Large bore hose for food products |
| 543-485 | Floater Fuel Delivery (Marathon Water Moccasin) | Softwall fuel discharge for ship to shore transfer |
| 541-688 | Smooth Bore Molten Sulphur | Hardwall hose with a smooth reinforced liner for high-temperature applications |
| 543-142 | Black Flextra II 150 | Corrugated petroleum-based product transfer hose where aromatic content exceeds 50% |
| 541-579 | Plicord Rough Bore Dock | For the transfer of petroleum products between docks and ships |
| 543-802 | Plicord LW Northern Petroleum | Lighter weight petroleum-based product transfer hose where the aromatic content does not exceed 50% |
| 543-509 | Plicord Vapor Recovery | Recovering gasoline vapors while unloading tank trucks at service stations or loading tanks at bulk terminals |
| 586-425 | Spiraflex Vapor Recovery | PVC hose for vapor recovery |
| Cust Serv | Oil Rig Supply Hose | Specialized hose lines for use on offshore drilling platforms |
| Gasoline Dispensing | | |
| 532-388 | Hardwall Dispensing - Europe | Wire braid gasoline dispensing, meets European Standard EN 1360 |
| 532-387 | Textile Dispensing - Australian | Textile braid gasoline dispensing, meets Australian Standard AS 2683 |
| 532-357 | Hardwall Dispensing - Australian | Wire braid gasoline dispensing, meets Australian Standard AS 2683 |
| Special Application | | |
| 541-219 | Fish Suction | Heavy-duty hardwall hose with an abrasive liner |
| 541-320 | Furnace Coolant Hose | Large diameter hose for water cooling in blast furnaces |
| Cust Serv | Manure Line Hose | Delivery of manure from holding tanks to field |
| 542-956 | Radiator Hose (Standard) | Coolant hose, EPDM tube, EPDM cover, 2 plies |
| 542-957 | Radiator Hose (Heavy Duty) | Coolant hose, EPDM tube, EPDM cover, 4 plies |
| 542-683 | Plicord Roof Drain - Nitrile | Handling rainwater drainage from floating tank roof |
| Cust Serv | Plicord Roof Drain - Viton | Handling rainwater drainage from floating tank roof |
| 586-402 | PVC Fish Suction | PVC hose for transfer of fish |
| 549-806 | Irrigation Pivot Joint (Boot) | Flexible joint for joining piping |
| 586-476 | Fire Engine Suction | PVC hose for water transfer service (clear with black helix) |
| 536-611 | | |
| 536-612 | Refrigerant Charging CT5 | Air conditioning refrigeration hose (colors: blue/red/yellow) |
| 536-613 | | |
| 536-303 | | |
| 536-304 | Freon Charging All Rubber | Air conditioning refrigeration hose (colors: blue/red/yellow) |
| 536-305 | | |
| 536-486 | Divers Hose High-pressure | High-pressure diving hose application |
| 536-451 | Divers Hose Low-pressure | Low-pressure diving hose application |
| Water | | |
| 586-452 | Premier | Medium-duty suction and discharge hose for use in agricultural, construction and general industrial service |
| 542-157 | Plicord Contractors S&D | Water suction and discharge hose, SBR tube and cover |
| 542-547 | Jetting & Utility | High-pressure water service |
| 542-445 | Potable Water 150 psi | Potable water, white natural FDA tube |
| 542-162 | Plicord Water Discharge 300 psi | General purpose water discharge hose for heavier duty applications |
| 542-322 | Plicord Water S&D 300 psi | General purpose water S&D hose for heavier duty applications |

Additional Products

Additional Non-Stock Specifications

| Order Code | Hose Description | Application |
|-------------------|----------------------|--|
| Military | | |
| 569-536 | ZZ H 500C | General shop service pneumatic hose |
| 569-567 | ZZ H 601E | General water and potable water discharge service |
| Cust Serv | ZZ H 601E | General water and potable water discharge service |
| 543-811 | MIL PRF 370H Type A | Fuel transfer standard collapsible |
| 543-760 | MIL PRF 370H Type B | Fuel transfer standard noncollapsible |
| 543-552 | MIL DTL-6615 Type I | Fuel transfer hose with low-temperature capability, with electrical bond |
| 543-553 | MIL DTL-6615 Type II | Fuel transfer hose with low-temperature capability, without electrical bond |
| Cust Serv | ZZ H 561K | Water suction and discharge hose |
| 543-766 | MIL H 2224OF Type A | Lightweight fuel hose for alongside service |
| 543-769 | MIL H 2224OF Type C | Lightweight fuel/water discharge hose for alongside service |
| Cust Serv | MIL PRF 11588G | Fuel discharge hose (style ST only) |
| Cust Serv | MIL H 82127 Type A | Fuel discharge hose for aviation gasoline, diesel, and automotive fuels |
| 549-749 | MIL H 24136/4 | Sound attenuation hose |
| 547-855 | MIL H 8788C | For use in hydraulic systems |
| 536-341 | MIL H 24580SH | Onboard ship firefighting hose |
| Rig Supply | | |
| 549-337 | Liquid Mud SW | Softwall liquid mud hose for offshore oil rigs |
| 549-358 | Liquid Mud SW | Softwall liquid mud hose for offshore oil rigs |
| 549-723 | Liquid Mud HW ARC | Hardwall liquid mud hose with Abrasion Resistant Cover (ARC) for offshore oil rigs |
| 543-418 | Petrol 400 HW | Hardwall liquid mud hose for offshore oil rigs |
| 541-762 | Mud Pump Suction | Mud pump hose for suction applications only for offshore oil rigs |
| 549-720 | Mud Cutting HW | Hardwall liquid mud hose for offshore oil rigs |
| 549-274 | Dry Cement SW | Softwall dry cement hose for offshore oil rigs |
| 549-275 | Dry Cement HW | Hardwall dry cement hose for offshore oil rigs |
| 549-617 | Dry Cement HW HD | Heavy-duty hardwall dry cement hose for offshore oil rigs |
| 549-278 | Barytes SW | Softwall barites transfer hose for offshore oil rigs |
| 549-070 | Barytes HW | Hardwall barites transfer hose for offshore oil rigs |
| 542-273 | Drill Water SW | Softwall drill water hose for offshore oil rigs |
| 542-443 | Potable Water HW | Hardwall potable water hose for offshore oil rigs |
| 542-444 | Potable Water SW | Softwall potable water hose for offshore oil rigs |
| 542-404 | Potable Water SW | Softwall potable water hose for offshore oil rigs |
| 542-630 | Brine SW | Softwall brine transfer hose for offshore oil rigs |
| 543-564 | Brine/Diesel HW | Hardwall brine and diesel transfer hose for offshore oil rigs |

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Chemical Charts

ContiTech Chemical Resistance Chart Ratings and Definitions

The ContiTech Chemical Resistance Chart is to be used as a guide only.

A The chemical is expected to have minor or no effect on the product. Product may be used for continuous service. Changes in working conditions, such as concentration of the chemical or temperature, may impact product performance and cause degradation of the product.

B The product may be used for continuous or intermittent service, however the product properties will be impacted by the exposure to the chemical. Changes in working conditions, such as concentration of the chemical or temperature, may impact product performance and cause degradation of the product.

X The product should not be used with this chemical.

I Insufficient or no data available for this chemical. Further testing is recommended to determine compatibility of the chemical with the product.

Caution: Unless otherwise specified, the ratings applied to tube stocks are based on fully concentrated or saturated solutions at 100°F (38°C) under normal service conditions.

Note: Hose ratings are for the impact on the polymer only. The degree of resistance of a rubber compound to a specific chemical depends on many variables such as temperature, concentration, length of exposure, stability of chemical, etc. For a specific compound, many grades of polymers are available which can alter the compound's chemical resistance.

WHEN IN DOUBT, before using a specific product, contact your local ContiTech Sales Representative for assistance if unusual service conditions or high temperatures are present in the product application.

This chemical resistance chart supersedes all previously published information regarding ContiTech chemical hose resistance ratings.

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Chemical Charts

| Common Name & Description | ContiTech Trade Name | ContiTech Product Examples with Polymer in the Tube |
|---|----------------------|---|
| UHMWPE (Ultra-High Molecular Weight Polyethylene) | Pliosyn | Fabchem |
| Butyl (Isobutylene and Isoprene) | Weatherex | Gray Flexwing |
| NR - Natural Rubber (Isoprene, natural) | Pureten | Tan Flexwing |
| Viton | Flosyn | Orange Flexwing |
| Nitrile | | Flexwing Petroleum |
| CPE (Chlorinated Polyethylene) | Chemrin | Brown Flexwing, ExtremeFlex Brown |
| EPDM (Ethylene Propylene Diene) | EPDM | Purple Flexwing, ExtremeFlex Purple |
| EPDM (Heat-Resistant) | Pyrosyn | Flexsteel 250 Steam, Whitewater |
| Cross-Link Polyethylene (XLPE) | Specclar | Blue Flexwing, Green XLPE |
| Alphasyn (Modified Cross-Link Polyethylene) | Alphasyn | Viper |
| Teflon | | Hi-Per |
| 316# Stainless Steel | | Insta-Lock |
| Aluminum | | Insta-Lock |
| Brass | | Insta-Lock |

Caution: This chart and the following chemical resistance charts are intended to reflect the various tube compounds as they pertain to Contitech petroleum and chemical hose. Always use a Contitech petroleum or chemical hose when the hose is to be used for conveyance of petroleum or chemicals. Consult the following pages for chemical compatibility of the various tube stocks.

Viton® is a registered trademark of DuPont Dow Elastomers L.L.C.

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

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Chemical Charts

Rating Scale

A = May be used for Continuous Service

B = May be used for Intermittent Service

I = Insufficient data, contact customer service

X = Do not use

Gasket

T = Teflon®

N = Polychloroprene

V = Viton®

S = Silicone

B = Nitrile

| | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|-------------------------|---|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| A | | | | | | | | | | | | | | | | |
| Acetaldehyde | 100 | B | B | X | X | X | X | I | A | A | A | A | A | B | X | T S |
| Acetic Acid, Conc. | 100 | A | A | X | B | X | X | A | A | A | A | A | A | B | X | T |
| Acetic Acid, Dilute 10 | 150 | B | A | X | A | X | X | A | A | A | A | A | I | X | T V N | |
| Acetic Acid, Glacial | 100 | A | B | X | X | X | X | A | A | A | A | A | B | X | T S | |
| Acetic Aldehyde | 100 | A | B | X | X | X | X | I | A | A | A | A | B | X | T | |
| Acetic Anhydride | 100 | B | A | B | X | X | X | A | A | A | A | A | B | X | T S | |
| Acetic Ester | 100 | B | B | X | X | X | X | B | A | A | A | A | A | A | T V | |
| Acetic Ether | 100 | B | B | X | X | X | X | B | A | A | A | A | A | A | T | |
| Acetic Oxide | 100 | B | A | B | X | X | X | A | A | A | A | A | B | X | T | |
| Acetone | 100 | A | A | X | B | X | X | A | A | A | A | A | A | I | T | |
| Acetone Cyanohydrin | 100 | B | A | X | X | X | X | A | A | A | A | I | I | I | T S | |
| Acetyl Acetone | 100 | B | B | X | X | X | X | B | I | A | A | I | B | I | T | |
| Acetyl Chloride | 100 | B | X | X | X | B | X | A | B | B | A | A | X | A | T V | |
| Acetyl Oxide | 100 | B | A | B | X | X | X | A | A | A | A | A | B | X | T | |
| Acetylene (dry) | 100 | A | A | A | A | A | A | A | A | A | X | A | I | I | TVBNS | |
| Acetylene Dichloride | 100 | B | X | X | X | A | X | I | I | A | X | A | I | X | T V | |
| Acetylene Tetrachloride | 100 | B | X | X | X | A | X | I | I | A | I | A | X | X | T V | |
| Acrolein | 100 | B | A | B | B | A | B | I | I | A | A | A | I | I | T V | |
| Acrylic Acid | 100 | B | X | X | X | A | X | X | X | A | A | A | I | I | T V | |
| Acrylonitrile | 100 | B | X | X | X | X | X | A | X | B | A | A | X | I | T | |
| Alk-Tri | 100 | I | X | X | X | A | X | I | I | A | I | A | I | I | T V | |
| Allyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | A | T B N | |
| Allyl Bromide | 100 | B | X | X | X | B | X | B | I | B | I | A | I | I | T | |
| Allyl Chloride | 100 | B | X | X | X | B | X | B | X | B | I | A | X | X | T S | |
| Aluminum | 150 | A | A | A | A | A | A | A | A | A | A | A | I | X | TVBNS | |
| Aluminum Acetate | 100 | A | A | A | X | X | X | A | A | A | A | A | I | X | T | |
| Aluminum Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | I | X | T V B | |
| Aluminum Formate | 100 | A | B | X | X | X | X | I | I | A | A | A | I | I | T | |
| Aluminum Hydroxide | 150 | A | A | B | A | X | B | A | A | A | A | A | I | X | T S | |
| Aluminum Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS | |
| Aminoethanol | 100 | A | A | B | B | I | B | A | I | A | A | A | B | I | T B N | |
| Aminoethyl ethanolamine | 100 | A | A | B | B | I | B | A | A | A | A | A | I | I | T | |
| Ammonia | ... | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Ammonia Cupric Sulfate | 150 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | T V B |
| Ammonium Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBN | |
| Ammonium Hydroxide | 150 | A | A | B | A | X | X | A | X | A | A | A | X | I | T N S | |
| Ammonium Nitrate | 150 | Special Hose Required | | | | | | | | | | | | | | |
| Ammonium Phosphate | 150 | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS | |
| Ammonium Sulfate | 150 | A | A | A | A | A | X | A | A | A | A | A | X | X | TVNS | |

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Gasket

T = Teflon®
V = Viton®

N = Polychloroprene
S = Silicone

B = Nitrile

| | Temp. (°F)* | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|------------------------|-------------|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| A (continued) | | | | | | | | | | | | | | | | |
| Ammonium Sulfide | 150 | A | A | A | A | A | X | A | A | A | A | A | A | X | X | TVN |
| Ammonium Sulfite | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBN |
| Ammonium Thiosulfate | 100 | A | A | A | A | A | A | A | A | A | A | A | A | B | X | TVBN |
| Amyl Acetate | 100 | A | A | B | X | X | X | X | B | A | A | A | A | A | I | T |
| Amyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | A | TBNS |
| Amyl Chloride | 100 | A | X | X | X | A | X | X | X | A | B | A | A | X | I | T V |
| Amyl Oleate | 100 | A | X | X | X | I | B | I | I | A | I | A | I | I | I | T |
| Amyl Phenol | 100 | A | X | X | X | A | X | I | I | A | I | A | I | I | I | T V |
| Amyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Amylamine | 100 | A | B | X | X | X | X | B | X | A | I | A | I | I | I | T |
| Anethole | 100 | X | X | X | X | B | X | X | I | X | I | A | I | I | I | T |
| Anhydrous Ammonia | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Aniline | 100 | A | A | X | X | A | X | B | A | A | A | A | A | B | X | T V |
| Animal Grease | 100 | A | X | X | X | A | A | B | X | A | A | A | A | A | I | TVB |
| Animal Oils | 100 | A | B | X | X | A | A | A | X | A | B | A | A | A | I | TVB |
| Antimony Pentachloride | 100 | A | X | X | X | I | X | I | X | B | B | A | I | I | I | T |
| Aqua Ammonia | 150 | A | A | B | A | A | B | B | B | A | A | A | A | X | I | T V |
| Aromatic Spirits | 100 | A | X | X | X | A | X | I | X | A | I | A | A | I | I | T V |
| Aromatic Tar | 100 | A | X | X | X | A | X | B | X | A | I | A | I | I | I | T V |
| Arquads | 100 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB |
| Arsenic Acid | 100 | A | A | A | A | I | X | A | A | A | A | A | A | X | X | TVS |
| Arsenic Chloride | 100 | I | X | X | X | X | X | X | X | X | X | A | I | I | I | T N |
| Arsenic Trichloride | 100 | I | X | X | X | X | X | X | X | X | X | A | X | I | I | T N |
| Asphalt | 500 | Special Hose Required | | | | | | | | | | | A | I | I | TVN |
| ASTM #1 Oil | 100 | A | X | B | X | A | A | A | X | A | A | A | A | A | I | TVBNS |
| ASTM #2 Oil | 100 | A | X | X | X | A | A | A | X | A | A | A | A | A | A | TVB |
| ASTM #3 Oil | 100 | A | X | X | X | A | A | A | X | A | A | A | A | A | A | TVB |

B

| | | | | | | | | | | | | | | | | |
|---------------------------|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|
| Barium Carbonate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBN |
| Barium Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBN |
| Barium Hydroxide | 150 | A | A | A | A | B | A | A | A | A | A | A | A | X | X | TBNS |
| Barium Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | B | A | X | TVBS |
| Barium Sulfide | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBS |
| Benzal Chloride | 100 | A | B | I | I | I | X | X | I | A | I | A | B | X | I | T |
| Benzaldehyde | 100 | A | B | X | X | X | X | X | B | A | B | A | A | B | I | T |
| Benzene (Benzol) | 100 | A | X | X | X | A | X | X | X | B | B | A | A | A | A | T V |
| Benzine (Ligroin) | 100 | A | X | X | X | A | A | I | X | A | B | A | A | A | I | TVB |
| Benzine Solvent (Ligroin) | 100 | A | X | X | X | A | A | I | X | A | I | A | A | A | I | TVBS |

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Chemical Charts

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A = May be used for Continuous Service
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Gasket

T = Teflon®
V = Viton®
N = Polychloroprene
S = Silicone
B = Nitrile

| | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---------------------------|---|----------------|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| B (continued) | | | | | | | | | | | | | | | | |
| Benzoic Acid | 100 | A | B | B | X | I | I | A | B | A | A | A | B | B | X | TVN |
| Benzoic Aldehyde | 100 | A | B | X | X | X | X | X | B | A | I | A | A | I | B | T |
| Benzotrithloride | 100 | X | I | I | I | I | X | X | X | X | X | A | I | I | I | T |
| Benzoyl Chloride | 100 | X | I | I | I | I | X | X | X | B | X | A | B | I | I | T |
| Benzyl Acetate | 100 | A | A | B | X | X | X | B | I | A | B | A | B | I | I | T |
| Benzyl Alcohol | 100 | A | A | X | X | A | X | A | X | A | A | A | A | B | I | TVS |
| Benzyl Chloride | 100 | A | X | X | X | A | X | X | X | A | I | A | A | X | X | TV |
| Bichromate of Soda | 150 | A | A | X | I | I | I | I | I | A | A | A | I | I | I | T |
| Black Sulfate Liquor | 150 | A | X | B | B | B | B | A | B | A | A | A | A | X | X | TVBN |
| Black Sulfate Liquor | 275 | X | X | X | X | X | X | A | X | X | X | A | A | X | X | T |
| Bleach | 100 | X | B | X | X | B | X | I | A | X | B | A | X | X | X | TV |
| Brine | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBNS |
| Bromine | 100 | X | X | X | X | B | X | I | X | X | X | A | X | X | X | TV |
| Bromo Benzene | 100 | B | X | X | X | B | X | X | X | X | X | A | I | I | I | TV |
| Bromo Toluene | 100 | X | X | X | X | B | X | X | X | X | X | A | I | I | I | T |
| Bromochloromethane | 100 | X | B | X | X | B | X | X | I | X | A | A | A | X | X | T |
| Bunker C. | 100 | B | X | X | X | A | A | I | X | A | B | A | A | I | I | TVB |
| Bunker Oil | 100 | B | X | X | X | A | A | I | X | X | B | A | A | I | I | TVB |
| Butanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBN |
| Butyl (Normal) Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBN |
| Butyl (Secondary) Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBN |
| Butyl Acetate | 100 | A | A | B | X | X | X | B | B | A | B | A | A | B | I | T |
| Butyl Acetoacetate | 100 | A | X | X | X | X | X | X | I | A | B | A | I | I | I | T |
| Butyl Acrylate | 100 | B | X | X | X | X | X | B | X | B | B | A | I | I | I | T |
| Butyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBN |
| Butyl Aldehyde | 100 | A | B | X | X | X | X | B | X | A | B | A | X | A | X | T |
| Butyl Amine | 100 | A | B | X | X | X | X | B | X | A | B | A | A | A | I | T |
| Butyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | TV |
| Butyl Benzl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Butyl Bromide | 100 | B | X | X | X | B | X | X | X | B | B | A | I | I | I | T |
| Butyl Butyrate | 100 | B | X | X | X | X | X | X | I | B | I | A | I | I | I | TV |
| Butyl Carbitol | 100 | A | A | A | X | I | X | A | B | A | A | A | I | I | I | T |
| Butyl Cellosolve | 100 | A | A | A | X | X | X | A | A | X | A | A | A | A | X | T |
| Butyl Chloride | 100 | B | X | X | X | A | X | X | I | B | I | A | B | I | I | TV |
| Butyl Ether | 100 | A | X | B | X | X | B | A | X | A | A | A | A | I | I | T |
| Butyl Ethyl Acetaldehyde | 100 | A | B | X | X | X | X | I | I | A | B | A | I | I | I | T |
| Butyl Ethyl Ether | 100 | A | X | B | X | I | B | I | X | A | A | A | I | I | I | T |

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Gasket

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V = Viton®

N = Polychloroprene
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| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|--|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| B (continued) | | | | | | | | | | | | | | | | |
| Butyl Phthalate | 100 | A | A | X | X | X | I | I | A | A | A | A | A | I | T | |
| Butyl Stearate | 100 | A | X | X | X | I | A | B | X | A | B | A | A | A | TBS | |
| Butylate | 100 | A | I | I | I | I | I | A | I | I | I | I | I | I | I | |
| Butyraldehyde | 100 | A | B | X | X | X | B | X | A | B | A | X | A | X | T | |
| Butyric Acid | 100 | A | X | B | X | I | X | A | B | A | A | A | B | I | T | |
| Butyric Anhydride | 100 | A | X | B | X | I | X | I | I | A | I | A | I | I | T | |
| C | | | | | | | | | | | | | | | | |
| Cadmium Acetate | 100 | A | A | A | X | X | X | A | I | A | A | A | I | I | T | |
| Calcium Acetate | 100 | A | A | A | X | X | X | A | A | A | A | A | I | I | TB | |
| Calcium Aluminate | 100 | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB | |
| Calcium Bichromate | 150 | X | A | X | I | I | I | I | I | X | I | A | I | I | T | |
| Calcium Bisulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | TVBN | |
| Calcium Bisulfite | 150 | A | A | A | A | A | A | A | A | I | A | A | A | X | TVBNS | |
| Calcium Carbonate | 150 | A | A | A | A | A | A | A | A | A | A | A | I | X | TVBNS | |
| Calcium Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | B | X | TVBNS | |
| Calcium Hydroxide (Caustic Lime) | 100 | A | A | B | A | X | B | A | A | A | A | A | A | X | TNS | |
| Calcium Hypochlorite | 100 | B | B | X | X | B | X | A | B | X | A | A | A | X | T V | |
| Calcium Nitrate | 150 | A | A | A | A | A | A | A | A | A | A | A | B | X | TVBN | |
| Calcium Silicate | 150 | A | A | A | A | A | A | A | A | A | A | A | I | A | TVBN | |
| Calcium Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | I | TVBS | |
| Calcium Sulfhydrate | 100 | A | A | A | A | A | A | A | A | A | A | A | I | I | TVB | |
| Calcium Sulfide | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | TVBN | |
| Calcium Sulfite | 150 | A | A | A | X | A | A | A | A | A | A | A | B | B | TVBNS | |
| Caprylic Acid | 100 | A | X | B | X | I | X | A | I | A | A | A | B | I | T | |
| Carbitol | 100 | A | A | A | X | I | X | A | A | A | A | A | B | A | T | |
| Carbitol Acetate | 100 | A | B | B | X | I | X | I | I | A | A | A | I | I | T | |
| Carbolic Acid, Phenol | 100 | A | A | X | X | A | X | A | X | A | B | A | A | B | T V | |
| Carbon Dioxide | 100 | A | A | A | A | A | A | A | A | A | A | A | A | B | TVBNS | |
| Carbon Disulfide | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 100 | B | X | X | X | A | X | X | X | A | B | A | A | I | T V | |
| Carbonic Acid | 100 | A | A | A | A | A | A | A | A | A | A | A | A | B | TVBS | |
| Casinghead Gasoline | 100 | B | X | X | X | A | A | B | X | B | B | A | I | I | TVB | |
| Caster Oil (Castor Oil) | 100 | A | A | A | X | A | A | A | A | A | A | A | A | A | TVBS | |
| Caustic Potash | 150 | A | A | B | A | X | B | A | B | A | A | A | A | X | T | |
| Caustic Soda | 150 | A | A | B | A | X | B | A | A | A | A | A | A | X | TNS | |
| Cellosize | 100 | A | A | X | X | I | X | I | I | A | A | A | I | I | T | |
| Cellosolve | 100 | A | A | A | X | X | X | I | A | A | A | A | A | A | T | |
| Cellosolve Acetate | 100 | A | B | B | X | X | X | X | B | A | A | A | A | I | T | |

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|----------------------|---|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|----------------------------|--|--------------------------|----------|-------|--------|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyon | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| C (continued) | | | | | | | | | | | | | | | | |
| Chloroacetic Acid | 100 | A | X | X | B | X | X | A | X | A | A | A | A | X | X | T |
| Chlorinated Solvents | 100 | B | X | X | X | A | X | B | X | A | I | A | B | X | A | TV |
| Chlorine (Dry) (Gas) | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Chlorine (Wet) | 100 | X | X | X | X | B | X | X | X | X | X | A | X | X | X | TV |
| Chloroacetone | 100 | A | I | X | X | X | X | X | X | A | I | A | A | X | X | T |
| Chlorobenzene | 100 | B | X | X | X | A | X | X | X | A | B | A | A | B | I | TV |
| Chlorobenzol | 100 | A | X | X | X | A | X | I | X | A | B | A | A | B | I | TV |
| Chlorobutane | 100 | X | X | X | X | A | X | X | I | X | I | A | I | I | I | TV |
| Chloroethylbenzene | 100 | A | X | X | X | A | X | I | X | A | I | A | I | I | I | TV |
| Chloroform | 100 | B | X | X | X | B | X | X | X | X | B | A | A | B | I | TV |
| Chloropentane | 100 | A | X | X | X | A | X | X | X | A | I | A | A | X | I | TV |
| Chlorophenol | 100 | A | X | X | X | B | X | X | X | X | B | A | I | I | I | TV |
| Chloropropanone | 100 | A | I | X | X | X | X | X | X | A | I | A | I | I | I | T |
| Chlorosulfonic Acid | 100 | X | X | X | X | X | X | I | X | X | X | A | B | X | X | T |
| Chlorothene | 100 | X | X | X | X | A | X | I | X | A | I | A | A | I | I | TV |
| Chlorotoluene | 100 | X | X | X | X | A | X | X | X | X | I | A | A | I | I | TV |
| Chlorpyrifos | 100 | I | I | I | I | I | I | I | X | I | I | I | I | I | I | I |
| Chromic Acid 25% | 100 | B | X | B | X | I | X | A | X | X | B | A | B | X | X | TV |
| Coal Oil | 100 | A | X | X | X | A | A | A | X | A | A | A | A | X | A | TVB |
| Coal Tar | 100 | A | X | X | X | A | X | B | X | A | A | A | A | I | I | TVS |
| Coal Tar Naptha | 100 | A | X | X | X | A | X | B | X | A | A | A | A | A | I | TV |
| Copper Chloride | 100 | A | A | A | X | A | A | A | A | A | A | A | X | X | X | TVBNS |
| Copper Hydrate | 100 | A | A | B | X | X | B | I | I | A | A | A | I | I | I | TB |
| Copper Hydroxide | 100 | A | A | B | X | X | B | I | I | A | A | A | I | I | I | TB |
| Copper Nitrate | 100 | A | A | A | X | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Copper Nitrite | 100 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVB |
| Copper Sulfate | 100 | A | A | A | X | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Copper Sulfide | 100 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVB |
| Creosols | 100 | A | A | X | X | A | X | A | X | A | B | A | A | I | X | TV |
| Creosote | 100 | A | X | X | X | A | B | I | X | A | B | A | A | I | I | TV |
| Cresylic Acid | 100 | A | A | X | X | I | X | X | X | A | I | A | A | B | X | TV |
| Crotonaldehyde | 100 | A | A | X | X | X | X | A | I | A | A | A | I | I | I | T |
| Crude Oil | 100 | A | X | X | X | A | A | B | X | A | B | A | A | A | I | TVB |
| Cumene | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | TV |
| Cupric Carbonate | 100 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVBN |
| Cupric Chloride | 100 | A | A | A | X | A | A | A | A | A | A | A | B | X | I | TVBNS |
| Cupric Nitrate | 100 | A | A | A | X | A | A | A | A | A | A | A | B | I | I | TVBN |
| Cupric Nitrite | 100 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVB |
| Cupric Sulfate | 100 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVBNS |
| Cyclohexane | 100 | A | X | X | X | A | B | A | X | A | B | A | A | B | X | TV |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For an explanation of ratings, see the initial page of these Chemical Charts in Appendix B. Contact customer service for chemicals or polymers not listed at 800-235-4632.

Chemical Charts

Rating Scale

A = May be used for Continuous Service
I = Insufficient data, contact customer service

B = May be used for Intermittent Service
X = Do not use

Gasket

T = Teflon®
V = Viton®

N = Polychloroprene
S = Silicone

B = Nitrile

| | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|-------------------------|---|----------------|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| C (continued) | | | | | | | | | | | | | | | | |
| Cyclohexanol | 100 | A | X | X | X | B | B | A | X | A | B | A | A | X | X | TVB |
| Cyclohexanone | 100 | A | X | X | X | X | X | X | X | A | B | A | A | I | I | T |
| Cyclopentane | 100 | A | X | X | X | A | B | B | X | A | B | A | I | I | I | TVN |
| Cyclopentane, methyl- | 100 | A | X | X | X | A | B | I | X | A | B | A | I | I | I | TV |
| Cyclopentanol | 100 | A | X | X | X | B | B | A | X | A | A | A | I | I | I | TVB |
| Cyclopentanone | 100 | A | X | X | X | X | X | X | X | A | B | A | I | I | I | T |
| D | | | | | | | | | | | | | | | | |
| D.D.T. in Kerosene | 100 | A | X | X | X | A | A | A | X | A | B | A | I | I | A | TVB |
| D.M.P. | 100 | X | X | X | X | X | X | X | X | X | A | A | A | I | I | TV |
| Decalin | 100 | X | X | X | X | A | X | X | X | A | X | A | I | I | I | TV |
| Decanol | 100 | A | A | A | X | B | A | A | A | A | A | A | I | I | I | TB |
| Decyl Alcohol | 100 | A | A | A | X | B | A | A | A | A | A | A | I | I | I | TB |
| Decyl Aldehyde | 100 | A | X | X | X | X | X | I | I | A | B | A | I | I | I | T |
| Decyl Butyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Denatured Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | B | A | TB |
| Diacetone Alcohol | 100 | A | A | B | B | X | X | A | X | A | A | A | A | I | I | T |
| Diarnyl Phenol | 100 | A | X | X | X | A | X | A | X | A | I | A | I | I | I | TV |
| Diarnylamine | 100 | A | A | X | B | I | B | A | I | A | B | A | I | I | I | TB |
| Diarnylene | 100 | A | X | X | X | A | X | B | X | A | B | A | I | I | I | TV |
| Dibenzyl Ether | 100 | A | B | X | X | I | X | X | X | A | B | A | A | A | X | T |
| Dibromobenzene | 100 | B | X | X | X | A | X | I | X | A | I | A | I | I | I | TV |
| Dibutyl Amine | 100 | A | X | X | B | X | B | A | X | A | A | A | I | I | I | T |
| Dibutyl Ether | 100 | A | X | B | X | X | X | A | X | A | A | A | A | A | X | T |
| Dibutyl Phthalate | 100 | A | A | X | X | X | X | X | A | A | A | A | A | A | I | TV |
| Dibutyl Sebacate | 100 | A | A | X | X | X | X | B | X | A | I | A | I | I | I | TVS |
| Dicalcium Phosphate | 100 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB |
| Dicamba | 100 | A | I | I | I | I | I | I | A | A | I | A | I | I | I | T |
| Dichloroacetic Acid | 100 | A | X | X | B | X | X | B | I | A | I | A | I | I | I | T |
| Dichlorobenzene | 100 | A | X | X | X | A | X | X | X | A | B | A | A | B | I | TV |
| Dichlorobutane | 100 | A | X | X | X | A | X | X | X | A | I | A | I | I | I | TV |
| Dichlorodifluoromethane | 100 | I | X | X | X | B | B | I | X | I | X | A | I | I | I | TVB |
| Dichloroethane | 100 | A | X | X | X | A | X | X | X | A | A | A | I | A | I | TV |
| Dichloroethyl Ether | 100 | A | X | X | X | I | X | B | X | A | B | A | I | I | I | T |
| Dichloroethylene | 100 | X | X | X | X | A | X | I | I | X | X | A | I | A | X | TV |
| Dichlorohexane | 100 | A | X | X | X | A | X | X | X | A | A | A | I | I | I | TV |
| Dichloropentane | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | TV |
| Dichloropropane | 100 | A | X | X | X | A | X | X | X | B | I | A | A | X | I | TV |
| Diesel Oil | 150 | A | X | X | X | A | A | A | X | A | B | A | A | A | I | TVB |
| Diethanol Amine | 100 | A | A | X | B | I | B | A | I | A | A | A | A | I | I | T |
| Diethyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | TV |

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Chemical Charts

Rating Scale

A = May be used for Continuous Service

B = May be used for Intermittent Service

I = Insufficient data, contact customer service

X = Do not use

Gasket

T = Teflon®

N = Polychloroprene

V = Viton®

S = Silicone

B = Nitrile

| | Temp. (°F)* | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|------------------------|-------------|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| D (continued) | | | | | | | | | | | | | | | | |
| Diethyl Carbinol | 100 | A | A | A | A | B | A | I | I | A | A | A | I | I | I | TBN |
| Diethyl Ketone | 100 | A | B | X | X | X | X | X | X | A | B | A | I | I | I | T |
| Diethyl Oxalate | 100 | A | B | X | B | I | X | A | X | A | B | A | I | I | I | T |
| Diethyl Phthalate | 100 | A | A | X | X | X | X | B | X | A | B | A | I | I | I | T |
| Diethyl Sebacate | 100 | A | A | X | X | X | X | B | X | A | B | A | A | A | I | T |
| Diethyl Sulfate | 100 | A | B | X | X | X | X | A | I | A | A | A | X | I | I | TNS |
| Diethyl Triamine | 100 | A | A | X | B | I | B | A | I | A | A | A | I | I | I | T B |
| Diethylamine | 100 | A | A | X | B | I | B | B | B | A | B | A | A | I | X | T B |
| Diethylene Dioxide | 100 | A | B | X | X | X | X | B | A | A | A | A | X | X | X | T |
| Diethylene Glycol | 100 | A | A | A | A | A | A | X | A | A | A | A | A | B | A | TVBN |
| Diethylene Triamine | 100 | A | A | X | B | I | B | A | I | A | A | A | I | I | X | T |
| Dihydroxydiethyl Ether | 100 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVBN |
| Dihydroxyethyl Amine | 100 | A | A | X | B | I | B | A | I | A | A | A | I | I | I | T B |
| Diisobutyl Ketone | 100 | A | B | X | X | X | X | I | B | A | B | A | I | I | I | T |
| Diisobutylene | 100 | A | X | X | X | A | A | X | X | A | B | A | A | I | I | TVB |
| Diisooctyl Adipate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Diisooctyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Diisocyanate | 100 | X | X | X | X | X | X | X | X | X | B | A | I | I | I | T |
| Diisodecyl Adipate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Diisodecyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Diisopropanol Amine | 100 | A | A | X | B | I | B | I | I | A | B | A | I | I | I | T B |
| Diisopropyl Amine | 100 | A | A | X | B | I | B | I | I | A | B | A | I | I | I | T B |
| Diisopropyl Ether | 100 | A | X | B | X | I | B | I | X | A | B | A | A | I | I | T B |
| Diisopropyl Ketone | 100 | A | B | X | X | X | X | I | B | A | B | A | A | A | I | T |
| Dilauryl Ether | 100 | A | I | B | X | I | B | I | I | A | B | A | I | I | I | T B |
| Dimethyl Amine | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Dimethyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | A | I | I | T V |
| Dimethyl Ether | 100 | A | X | B | X | I | B | I | X | B | B | A | I | I | I | T B |
| Dimethyl Ketone | 100 | A | A | X | B | X | X | A | A | B | A | A | A | A | I | T |
| Dimethyl Phenol | 100 | A | X | X | X | A | X | I | X | A | A | A | I | I | I | T V |
| Dimethyl Phthalate | 100 | A | A | X | X | X | X | A | B | A | A | A | A | I | I | T V |
| Dimethyl Sulfate | 100 | A | B | X | X | X | X | A | I | A | A | A | I | I | I | T |
| Dimethyl Sulfide | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Dimethyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBNS |
| Dinitrobenzene | 100 | A | X | X | X | A | X | I | I | A | B | A | I | I | I | T V |
| Diocetyl Adipate | 100 | A | A | X | X | X | X | X | B | A | I | A | I | I | I | T |
| Diocetyl Amine | 100 | A | A | X | B | I | B | I | I | A | B | A | I | I | I | T |
| Diocetyl Phthalate | 100 | A | B | X | X | A | X | X | X | A | A | A | A | I | I | T V |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

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Chemical Charts

| Rating Scale | | | | | | | | | | | | | | Gasket | | | | | |
|---|----------------|--|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|----------|--------------------------|--------|---------------------|--|-------------|--|
| A = May be used for Continuous Service | | | | | | | B = May be used for Intermittent Service | | | | | | | T = Teflon® | | N = Polychloroprene | | | |
| I = Insufficient data, contact customer service | | | | | | | X = Do not use | | | | | | | V = Viton® | | S = Silicone | | B = Nitrile | |
| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | | | |
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | | | | |
| D (continued) | | | | | | | | | | | | | | | | | | | |
| Diocetyl Sebacate | 100 | A | A | X | X | X | X | X | B | A | I | A | I | I | I | TV | | | |
| Dioxane | 100 | A | B | X | X | X | X | B | X | A | A | A | A | I | I | T | | | |
| Dioxolane | 100 | A | X | X | X | I | X | B | X | A | B | A | I | I | I | T | | | |
| Diphenyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | A | A | I | I | I | T | | | |
| Dipropyl Ketone | 100 | A | B | X | X | X | X | X | I | A | A | A | I | I | I | T | | | |
| Dipropylamine | 100 | A | A | X | B | I | B | B | I | A | A | A | I | I | I | T | | | |
| Dipropylene Glycol | 100 | A | A | A | A | A | A | A | I | A | A | A | I | I | I | TVB | | | |
| Disodium Phosphate | 100 | A | A | A | A | I | A | A | I | A | A | A | A | I | I | TVB | | | |
| Divinyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | TV | | | |
| Dodecyl Benzene | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | TV | | | |
| Dodecyl Toluene | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | TV | | | |
| Dow-Per | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | TV | | | |
| Dowtherm A | 100 | A | I | X | X | A | X | X | X | A | A | A | I | A | I | TV | | | |
| Dowtherm E | 100 | A | X | X | X | A | X | X | X | A | A | I | I | X | I | V | | | |
| Dowtherm SR-1 | 100 | A | A | A | A | A | A | I | I | A | A | A | I | I | I | TVB | | | |
| E | | | | | | | | | | | | | | | | | | | |
| Endolene | 100 | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I | | | |
| Epichlorohydrin | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | | | |
| Ethanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | B | A | TBN | | | |
| Ethanol Amine | 100 | A | A | B | B | I | B | A | B | A | B | A | A | B | I | TB | | | |
| Ethyl Acetate | 100 | A | B | X | X | X | X | B | A | A | A | A | A | A | A | T | | | |
| Ethyl Acetoacetate | 100 | A | B | X | X | X | X | A | B | A | A | A | B | I | I | T | | | |
| Ethyl Acrylate | 100 | A | X | X | X | X | X | B | X | B | B | A | A | A | A | T | | | |
| Ethyl Alcohol | 100 | A | A | A | A | A | A | A | A | A | A | A | A | B | A | TVBNS | | | |
| Ethyl Aldehyde | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | | | |
| Ethyl Aluminum Dichloride | 100 | X | X | X | X | B | X | I | X | B | I | A | I | I | I | TV | | | |
| Ethyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | A | A | X | TV | | | |
| Ethyl Butanol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | TB | | | |
| Ethyl Butyl Acetate | 100 | A | A | B | X | X | X | I | I | A | B | A | I | I | I | T | | | |
| Ethyl Butyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | TB | | | |
| Ethyl Butyl Amine | 100 | A | A | X | B | I | B | I | I | I | I | A | I | I | I | TB | | | |
| Ethyl Butyl Ketone | 100 | A | B | X | X | X | X | X | I | A | A | A | I | I | I | T | | | |
| Ethyl Butyraldehyde | 100 | A | B | X | X | X | X | X | I | A | B | A | I | I | I | T | | | |
| Ethyl Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | | | |
| Ethyl Dichloride | 100 | B | X | X | X | B | X | X | X | B | B | A | I | I | I | TV | | | |
| Ethyl Ether | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | | | |
| Ethyl Formate | 100 | A | B | X | X | X | X | A | B | A | A | A | A | I | I | TV | | | |
| Ethyl Hexanol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | TBN | | | |

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Gasket

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| | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---------------------------|---|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|--|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| E (continued) | | | | | | | | | | | | | | | | | |
| Ethyl Hexoic Acid | 100 | A | X | B | X | I | X | I | I | A | A | A | I | I | I | T | |
| Ethyl Hexyl Acetate | 100 | A | A | B | X | X | X | I | I | A | B | A | I | I | I | T | |
| Ethyl Hexyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | TBN | |
| Ethyl Iodide | 100 | X | X | X | X | B | X | X | X | B | B | A | I | I | I | T V | |
| Ethyl Isobutyl Ether | 100 | A | X | B | X | I | B | I | X | A | B | A | I | I | I | T | |
| Ethyl Methyl Ketone | 100 | A | B | X | X | X | X | I | I | A | A | A | A | A | A | T | |
| Ethyl Oxalate | 100 | A | A | X | A | I | X | A | X | A | B | A | I | I | I | T V | |
| Ethyl Phthalate | 100 | A | A | X | X | X | X | B | I | A | I | A | I | I | I | T | |
| Ethyl Propyl Ether | 100 | A | X | B | X | I | B | A | X | A | B | A | I | I | I | T B | |
| Ethyl Propyl Ketone | 100 | A | B | X | X | X | X | I | I | A | A | A | I | I | I | T | |
| Ethyl Silicate | 100 | A | A | I | X | I | A | A | I | A | A | A | A | I | I | TBN | |
| Ethyl Sulfate | 100 | A | B | X | X | X | X | A | I | A | A | A | X | I | I | TBS | |
| Ethylamine | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | |
| Ethylene Bromide | 100 | X | X | X | X | B | X | I | X | B | B | A | A | X | I | T V | |
| Ethylene Chloride | 100 | B | X | X | X | B | X | I | X | B | B | A | A | B | I | T V | |
| Ethylene Diamine | 100 | A | A | X | B | I | B | I | B | A | I | A | A | I | I | T B | |
| Ethylene Dibromide | 100 | X | X | X | X | B | X | I | X | B | B | A | A | X | I | T V | |
| Ethylene Dichloride | 100 | B | X | X | X | B | X | X | X | B | A | A | A | B | I | T V | |
| Ethylene Glycol | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | I | TVBNS | |
| Ethylhexil Phosphorodieth | 100 | I | X | X | I | I | A | A | X | X | I | I | I | I | I | B | |
| Ex-Tri | 100 | A | X | X | X | A | X | I | I | A | B | A | I | I | I | T V | |
| F | | | | | | | | | | | | | | | | | |
| Ferric Bromide | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB | |
| Ferric Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | X | X | X | TVBNS | |
| Ferric Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBN | |
| Ferrous Acetate | 100 | A | A | A | X | X | X | I | I | A | A | A | I | I | I | T | |
| Ferrous Chloride | 150 | A | A | A | A | B | A | A | A | A | A | A | I | X | X | T B | |
| Ferrous Hydroxide | 100 | A | A | B | A | X | B | I | I | A | A | A | B | I | I | T N | |
| Ferrous Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | B | X | X | TVBN | |
| Fluoboric Acid 65% | 150 | B | A | A | A | I | I | A | I | I | A | A | I | I | X | T N | |
| Fluorine (wet) | 100 | X | X | X | X | X | X | X | X | X | X | B | X | X | X | T | |
| Fluosilicic Acid 50% | 150 | B | A | A | A | I | I | A | I | I | A | A | A | X | X | T N | |
| Formaldehyde 40% | 100 | A | A | A | B | B | A | A | A | A | A | A | A | B | I | T B | |
| Formalin | 100 | A | A | A | B | A | A | A | A | A | A | A | A | B | I | TVB | |
| Formic Acid | 100 | A | A | X | B | X | X | A | A | B | A | A | B | I | X | T V | |
| Freon** 12 | 100 | A | X | X | X | B | B | I | X | B | X | A | A | I | I | T N | |
| Freon** 22 | 100 | A | X | X | X | X | X | I | I | B | X | A | A | I | I | T N | |

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**Freon® is a registered trademark of E.I. du Pont de Nemours and Company.

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A = May be used for Continuous Service
I = Insufficient data, contact customer service

B = May be used for Intermittent Service
X = Do not use

Gasket

T = Teflon®
V = Viton®

N = Polychloroprene
S = Silicone
B = Nitrile

| | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|--|---|---|---------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|----------|-------|--------|
| | Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket |
| F (continued) | | | | | | | | | | | | | | | | |
| Fuel A (ASTM) | 100 | B | X | X | X | A | A | I | X | B | B | A | A | A | A | TVB |
| Fuel B (ASTM) | 100 | B | X | X | X | A | A | I | X | B | B | A | I | I | I | TVB |
| Fuel Oil | 100 | A | X | X | X | A | A | X | X | B | B | A | A | A | I | TVB |
| Furfural | 100 | A | A | I | I | X | X | A | B | A | A | A | A | A | X | T |
| Furfuryl Alcohol | 100 | A | X | I | I | X | I | A | I | A | A | A | A | A | I | T |
| G | | | | | | | | | | | | | | | | |
| Gallic Acid | 100 | A | B | I | A | I | I | A | B | I | B | A | B | I | I | T S |
| Gasoline | 100 | B | X | X | X | A | A | B | X | B | B | A | A | I | I | TVB |
| Glacial Acetic Acid | 100 | A | B | X | X | X | X | B | A | A | A | A | A | B | X | T |
| Gluconic Acid | 100 | A | X | B | X | I | X | A | I | A | A | A | X | X | A | T |
| Glycerin | 100 | A | A | A | A | A | A | A | A | B | A | A | A | A | A | TVBNS |
| Glyphosate | 100 | A | I | I | I | I | I | I | A | I | I | I | I | I | I | I |
| Graffinite | 100 | I | X | X | X | X | A | A | X | X | I | I | I | I | I | B |
| Grease | 100 | A | X | X | X | A | A | I | X | B | A | A | A | A | A | TVB |
| Green Sulfate Liquor | 150 | A | A | A | A | I | A | A | A | A | A | A | A | X | X | TBS |
| H | | | | | | | | | | | | | | | | |
| Heptanal | 100 | A | X | X | X | X | X | X | I | A | I | A | I | I | I | T B |
| Heptane | 100 | A | X | X | X | A | A | A | X | B | B | A | A | A | I | TVB |
| Heptane Carboxylic Acid | 100 | A | X | B | X | A | X | A | I | A | A | A | I | I | I | T V |
| Hexaldehyde | 100 | A | X | X | X | X | X | I | X | A | B | A | A | A | I | T |
| Hexane | 100 | B | X | X | X | A | A | B | X | B | B | A | A | A | A | TVB |
| Hexanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | T B |
| Hexyl Methyl Ketone | 100 | A | B | X | X | X | X | I | I | A | A | A | I | I | I | T |
| Hexylamine | 100 | A | B | X | X | X | X | B | I | A | B | A | I | I | I | T |
| Hexylene | 100 | X | X | X | X | A | A | I | X | X | I | A | I | I | I | TVB |
| Hexylene Glycol | 150 | A | A | A | A | A | A | A | I | A | A | A | A | B | A | TVBN |
| Hexyl-Alcohol | 100 | A | A | A | A | B | A | A | X | A | A | A | A | I | I | T B |
| Hi-Tri | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | T V |
| Hydrobromic Acid 37% | 150 | B | A | A | A | I | X | A | A | I | A | A | X | X | X | T N |
| Hydrochloric Acid 38% concentrated fuming acid | 125 | A | B | X | I | I | X | X | I | A | I | A | X | X | X | T |
| Hydrochloric Acid 37% | 125 | A | B | A | B | X | X | A | B | A | A | A | X | X | X | T |
| Hydrofluoric Acid 10% | 125 | A | A | A | X | I | X | A | I | A | A | A | A | X | X | T N |
| Hydrofluosilicic Acid | 150 | B | B | A | A | I | I | A | A | I | A | A | A | X | X | T |
| Hydrogen Dioxide 10% | 100 | B | X | X | X | A | X | I | I | I | I | A | A | B | X | T V |
| Hydrogen Dioxide over 10% | 100 | B | X | X | X | I | X | I | X | I | I | A | I | I | X | T |
| Hydrogen Gas | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |

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Gasket

T = Teflon®

N = Polychloroprene

V = Viton®

S = Silicone

B = Nitrile

| Temp. (°F)* | ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|------------------------------|---|---|-------------------------|-----------------|-----------------------|----------------------------|----------------------------------|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|------|
| | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| H (continued) | | | | | | | | | | | | | | | | |
| Hydrogen Peroxide 10% to 50% | 100 | B | X | X | X | A | X | A | I | I | I | A | I | B | I | TVS |
| Hydrogen Peroxide over 50% | 100 | X | X | X | X | X | X | X | X | X | I | A | A | I | X | T |
| I | | | | | | | | | | | | | | | | |
| Iodine | 100 | A | I | A | I | I | I | A | I | B | I | A | I | I | X | TVB |
| Iron Acetate | 100 | A | A | A | X | X | X | I | I | A | A | A | I | I | I | TNS |
| Iron Hydroxide | 100 | A | A | B | X | X | B | I | I | A | A | A | I | I | I | T N |
| Iron Salts | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVBN |
| Iron Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVBN |
| Iron Sulfide | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB |
| Isoamyl Acetate | 100 | A | A | B | X | X | X | I | X | A | B | A | I | I | I | T |
| Isoamyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | A | TBN |
| Isoamyl Bromide | 100 | B | X | X | X | B | X | I | X | B | I | A | I | I | I | T V |
| Isoamyl Butyrate | 100 | B | X | X | X | X | X | I | I | B | B | A | I | I | I | T |
| Isoamyl Chloride | 100 | X | X | X | X | B | X | I | I | X | B | A | I | I | I | T V |
| Isoamyl Ether | 100 | A | X | B | X | I | B | I | X | A | I | A | I | I | I | T |
| Isoamyl Phthalate | 100 | A | A | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Isobutane | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Isobutanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBNS |
| Isobutyl Acetate | 100 | A | A | B | X | X | X | B | X | A | B | A | A | B | I | T |
| Isobutyl Alcohol | 100 | A | A | A | A | B | X | A | A | A | A | A | A | I | I | TNS |
| Isobutyl Aldehyde | 100 | A | B | X | X | X | X | B | I | A | B | A | I | I | I | T |
| Isobutyl Amine | 100 | A | B | X | X | X | X | I | I | A | B | A | I | I | I | T |
| Isobutyl Bromide | 100 | B | X | X | X | B | X | I | X | X | I | A | I | I | I | T V |
| Isobutyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | A | TBN |
| Isobutyl Chloride | 100 | B | X | X | X | B | X | I | X | X | I | A | I | I | I | T V |
| Isobutyl Ether | 100 | A | X | B | X | I | X | I | X | A | I | A | I | I | I | T B |
| Isobutylene | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | T V |
| Isooctane | 100 | B | X | X | X | A | A | I | X | B | B | A | A | A | A | TVBS |
| Isopentane | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Isophorone | 100 | B | A | I | I | I | X | I | A | B | B | A | B | A | I | T |
| Isopropanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TVBS |
| Isopropanol Amine | 100 | A | A | X | B | X | B | I | I | A | B | A | I | I | I | T B |
| Isopropyl Acetate | 100 | A | A | X | X | X | X | B | X | A | A | A | A | I | I | T |
| Isopropyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | I | I | TBNS |
| Isopropyl Amine | 100 | A | B | X | X | X | X | I | I | A | B | A | I | I | I | T |
| Isopropyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | I | I | I | T V |
| Isopropyl Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |

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Gasket

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V = Viton®

N = Polychloroprene
S = Silicone

B = Nitrile

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|--------|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| I (continued) | | | | | | | | | | | | | | | | |
| Isopropyl Ether | 100 | A | X | B | X | I | X | I | X | A | B | A | A | I | I | T B |
| Isopropyl Toluene | 100 | A | X | X | X | A | X | I | X | A | I | A | I | I | I | T V |
| J | | | | | | | | | | | | | | | | |
| Jet Fuels | --- | Special Hose Required | | | | | | | | | | A | A | A | TVB | |
| K | | | | | | | | | | | | | | | | |
| Kerosene | 100 | A | X | X | X | A | A | A | X | A | A | A | A | A | I | TVB |
| L | | | | | | | | | | | | | | | | |
| Lauryl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| Lead Acetate | 100 | A | A | X | X | X | X | A | B | A | A | A | A | X | X | T |
| Lead Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBN |
| Ligroin | 100 | A | X | X | X | A | A | I | X | A | B | A | A | A | I | T V B |
| Linseed Oil | 100 | A | A | B | X | A | A | A | B | I | A | A | A | I | A | vTVBNS |
| Liquefied Natural Gas (LNG) | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Liquefied Petroleum Gas (LPG) | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Lubricating Oils | 100 | A | X | X | X | A | A | I | X | A | I | A | A | A | A | T V B |
| M | | | | | | | | | | | | | | | | |
| MIBK | 100 | A | X | X | X | X | X | X | X | A | B | A | X | X | X | T |
| MEK | 100 | A | X | X | X | X | X | X | X | A | B | A | X | X | X | T |
| Magnesium Acetate | 100 | A | A | A | X | X | X | A | I | A | A | A | I | I | I | T |
| Magnesium Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBS |
| Magnesium Hydrate | 150 | A | A | B | A | B | B | I | I | A | A | A | A | X | I | T N |
| Magnesium Hydroxide | 150 | A | A | B | A | B | B | A | A | A | A | A | A | X | I | TVBN |
| Magnesium Sulfate | 150 | A | A | A | A | A | A | A | B | A | A | A | A | I | I | TVBNS |
| Maleic Acid | 100 | A | X | X | X | I | X | I | I | B | I | A | A | B | X | T V |
| Malic Acid | 150 | B | I | A | A | I | I | I | I | I | I | A | A | B | X | TVBNS |
| Manganese Sulfate | 150 | A | A | A | X | A | A | A | A | A | A | A | A | I | I | TVBN |
| Manganese Sulfide | 150 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVB |
| Manganese Sulfite | 150 | A | A | A | X | A | A | A | A | A | A | A | I | I | I | TVB |
| Methanol | 100 | A | A | A | A | X | A | A | A | A | A | A | A | I | I | T B |
| Mesityl Oxide | 100 | A | B | X | X | X | X | B | X | A | B | A | A | I | I | T |
| Methyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| Methyl (Wood) Alcohol | 100 | A | A | A | A | X | A | A | A | A | A | A | A | I | I | TBNS |
| Methyl Acetate | 100 | A | A | B | X | X | X | A | A | A | A | A | A | I | I | T |
| Methyl Acetoacetate | 100 | A | B | X | X | X | X | A | I | A | A | A | I | I | I | T |
| Methyl Acetone | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Methyl Amyl Acetate | 100 | B | A | B | X | X | X | I | X | A | B | A | I | I | I | T |
| Methyl Amyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | TBN |
| Methyl Amyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |

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|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|-----|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| M (continued) | | | | | | | | | | | | | | | | |
| Methyl Amyl Ketone | 100 | A | B | X | X | X | X | X | I | A | B | A | I | I | I | T |
| Methyl Benzene | 100 | A | X | X | X | A | X | X | X | A | B | A | A | A | A | T V |
| Methyl Butanol | 100 | A | A | A | A | B | A | A | I | A | A | A | A | I | A | TBN |
| Methyl Butanone | 100 | A | B | X | X | X | X | B | B | A | B | A | I | I | I | T |
| Methyl Butyl Ketone | 100 | A | B | X | X | X | X | X | I | A | B | A | A | B | I | T |
| Methyl Carbitol | 100 | A | A | A | X | I | X | A | I | A | A | A | I | I | I | T |
| Methyl Cellosolve | 100 | A | A | A | X | I | X | A | A | A | A | A | A | B | A | T |
| Methyl Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Methyl Cyclohexane | 100 | A | X | X | X | B | X | B | X | B | I | A | I | I | I | T V |
| Methyl Ethyl Ketone (MEK) | 100 | A | X | X | X | X | X | X | X | A | B | A | X | X | X | T |
| Methyl Hexanol | 100 | A | A | A | B | A | A | A | A | A | A | A | I | I | I | TVB |
| Methyl Hexanone | 100 | A | B | X | X | X | X | X | I | A | B | A | I | I | I | T |
| Methyl Hexyl Ketone | 100 | A | B | X | X | X | X | X | I | A | B | A | I | I | I | T |
| Methyl Isobutyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | B | I | I | TBN |
| Methyl Isobutyl Ketone (MIBK) | 100 | A | X | X | X | X | X | X | X | A | B | A | X | X | X | T |
| Methyl Isopropyl Ketone | 100 | A | B | X | X | X | X | B | B | A | B | A | A | I | I | T |
| Methyl Normal Amyl Ketone | 100 | A | B | X | X | X | X | I | I | A | B | A | I | I | I | T |
| Methyl Propyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| Methyl Propyl Ether | 100 | A | X | B | X | I | X | I | X | A | B | A | I | I | I | T |
| Methyl Propyl Ketone | 100 | A | B | X | X | X | X | B | I | A | B | A | I | I | I | T |
| Methyl Tertiary Butyl Ether (MTBE) | 100 | X | X | X | X | X | X | X | X | A | B | I | I | I | I | I |
| 100% Concentrate | 100 | X | X | X | X | X | X | X | X | A | B | I | I | I | I | I |
| Methylallyl Acetate | 100 | A | A | B | X | X | X | I | A | A | A | A | I | I | I | T |
| Methylallyl Chloride | 100 | A | X | X | X | X | X | X | I | B | I | A | I | I | I | T |
| Methyldiethanolamine | 100 | A | X | X | X | X | A | A | X | A | A | A | I | I | I | T B |
| Methylene Bromide | 100 | B | X | X | X | B | X | I | X | B | A | A | I | I | I | T V |
| Methylene Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Metribuzin | 100 | A | I | I | I | I | I | I | A | I | I | A | I | I | I | T |
| Mineral Spirits | 100 | A | X | X | X | B | A | I | X | A | B | A | A | A | I | T B |
| Monochloroacetic Acid | 100 | A | X | X | B | I | X | A | X | A | A | A | A | X | X | T |
| Monochlorobenzene | 100 | B | X | X | X | A | X | X | X | B | B | A | A | B | B | T V |
| Monochlorodifluoromethane | 100 | I | X | X | X | X | X | I | I | I | I | A | A | I | I | T N |
| Monoethanol Amine | 100 | A | A | X | B | I | B | A | B | A | B | A | A | B | I | T N |
| Monoethyl Amine | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Monoisopropanol Amine | 100 | A | A | X | B | I | B | I | I | A | B | A | I | I | I | TBw |
| Methylpyrrolidone | 100 | A | X | X | X | X | X | X | X | A | I | A | I | I | I | T |
| Muriatic Acid | 125 | A | X | X | A | I | X | A | X | A | A | A | X | X | X | T |

* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For an explanation of ratings, see the initial page of these Chemical Charts in Appendix B. Contact customer service for chemicals or polymers not listed at 800-235-4632.

Chemical Charts

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|---|--------------------------|----------|-------|--------|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | | 316 SS | Aluminum | Brass | Gasket |
| N | | | | | | | | | | | | | | | | |
| Naphtha | 100 | A | X | X | X | A | A | A | X | A | A | A | A | A | I | TVBN |
| Naphthalene | 100 | A | X | X | X | A | X | I | X | A | I | A | A | B | I | T V |
| Natural Gas | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Neohexane | 100 | A | X | X | X | A | A | B | X | A | B | A | A | A | I | TVB |
| Neu-Tri | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | T V |
| Nickel Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | B | X | X | TVBS |
| Nickel Nitrate | 150 | A | A | A | A | A | A | A | A | A | A | A | B | X | X | TVBN |
| Nickel Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Nitric Acid 25% | 100 | B | B | X | X | X | X | X | X | B | A | A | A | X | X | T V |
| Nitric Acid 37% | 100 | X | X | X | X | X | X | X | X | X | A | A | A | X | X | T V |
| Nitric Acid 40%-60% | 100 | X | X | X | X | X | X | X | X | X | B | A | A | X | X | T V |
| Nitric Acid 70% | 100 | X | X | X | X | X | X | X | X | X | B | A | B | X | X | T |
| Nitro Benzene | 100 | A | X | X | X | B | X | X | X | A | B | A | A | B | X | T |
| Nitrogen Gas | 100 | A | A | A | A | A | A | A | A | A | A | A | A | I | I | TVBNS |
| Nitrous Oxide | 100 | A | A | A | A | A | A | A | A | A | A | A | A | I | X | TVBNS |
| Nonenes | 100 | A | X | X | X | A | A | I | X | A | B | A | I | I | I | V B |
| O | | | | | | | | | | | | | | | | |
| Octadecanoic Acid | 100 | A | B | X | X | I | A | A | B | A | A | A | A | B | A | T B |
| Octane | 100 | B | X | X | X | A | A | A | X | B | B | A | B | I | B | TVB |
| Octanol | 100 | A | A | A | A | B | A | A | X | A | A | A | A | I | I | TBN |
| Octyl Acetate | 100 | A | A | A | X | X | X | X | I | A | B | A | I | I | I | T |
| Octyl Alcohol | 100 | A | A | A | A | B | A | A | X | A | A | A | A | I | I | T B |
| Octyl Aldehyde | 100 | A | X | X | X | X | X | I | I | A | I | A | I | I | I | T |
| Octyl Amine | 100 | A | B | X | X | X | X | B | I | A | B | A | I | I | I | T |
| Octyl Carbinol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| Octylene Glycol | 100 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB |
| Oil Petroleum | 100 | B | X | X | X | A | A | A | X | A | B | A | A | A | X | TVB |
| Oleic Acid | 100 | A | B | X | X | I | B | A | X | A | B | A | A | B | X | T B |
| Oleum | 100 | X | X | X | X | X | X | X | X | X | X | A | I | X | X | T V |
| Organic Fatty Acids | 100 | A | X | X | X | X | A | A | X | A | B | A | A | I | I | T B |
| Orthodichlorobenzene | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | I | T V |
| Orthodichlorobenzol | 100 | A | X | X | X | A | X | I | X | A | I | A | I | I | I | T V |
| Orthoxylene | 100 | B | X | X | X | A | X | I | X | A | B | A | I | I | I | T V |
| Oxalic Acid | 100 | A | A | X | X | I | X | A | B | I | B | A | A | B | X | T S |
| Oxygen | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Ozone | 100 | A | B | B | X | I | X | A | A | I | B | A | I | I | I | T S |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

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Chemical Charts

Rating Scale

A = May be used for Continuous Service
I = Insufficient data, contact customer service
B = May be used for Intermittent Service
X = Do not use

Gasket

T = Teflon®
V = Viton®
N = Polychloroprene
S = Silicone
B = Nitrile

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|----------|--------------------------|---------|--|--|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | | |
| P | | | | | | | | | | | | | | | | | |
| Palmitic Acid | 100 | A | A | B | X | I | A | A | B | B | A | A | I | X | TBS | | |
| Papermakers Alum | 150 | A | A | A | A | A | A | A | A | A | A | I | I | I | TVBN | | |
| Paradichlorobenzol | 100 | B | X | X | X | A | X | I | X | A | I | A | I | I | T V | | |
| Paraffin | 150 | A | B | X | X | A | A | A | X | X | I | A | A | A | TVB | | |
| Paraldehyde | 100 | A | B | X | X | X | X | I | B | A | B | A | A | A | T | | |
| Paraxylene | 100 | A | X | X | X | A | X | I | X | A | B | A | I | I | T V | | |
| Pelargonic Acid | 100 | A | A | X | X | I | A | I | I | A | I | A | I | I | T B | | |
| Pentachloroethane | 100 | A | X | X | X | A | X | I | X | A | I | A | A | B | X T V | | |
| Pentane | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | |
| Pentanol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I TBN | | |
| Pentanone | 100 | A | B | X | X | X | X | B | I | A | B | A | I | I | I T | | |
| Perchloroethylene | 100 | B | X | X | X | A | X | X | X | A | B | A | A | B | X T V | | |
| Petroleum Ether (Ligroin) | 100 | A | X | X | X | A | A | A | X | A | B | A | A | A | I TVB | | |
| Petroleum - Crude | 100 | A | X | X | X | A | A | A | X | A | B | A | A | A | X TVB | | |
| Petroleum Oils | 100 | A | X | X | X | A | A | A | X | A | B | A | A | A | X TVB | | |
| Phenol | 125 | A | A | X | X | A | X | A | X | A | B | A | A | B | B T V | | |
| Phenolsulfonic Acid | 100 | X | X | X | X | X | X | A | I | B | B | A | B | I | I T | | |
| Phenyl Chloride | 100 | A | X | X | X | A | X | X | X | A | B | A | A | B | I T V | | |
| Phosphoric Acid 10% | 150 | A | A | A | A | X | A | A | A | A | A | A | A | X | X TVBN | | |
| Phosphoric Acid 10-85% | 100 | A | A | A | B | X | X | A | A | A | A | A | A | X | I TVN | | |
| Pine Oil | 100 | A | X | X | X | A | X | B | X | A | B | A | A | I | X T V | | |
| Pinene | 100 | A | X | X | X | A | B | B | X | A | B | A | B | I | I T V | | |
| Polyethylene Glycol | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I TVBN | | |
| Polypropylene Glycol | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I TVB | | |
| Potassium Acetate | 100 | A | A | B | X | X | X | A | B | A | A | A | A | X | X T B | | |
| Potassium Bisulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | I | X TVBN | | |
| Potassium Bisulfite | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I TVBN | | |
| Potassium Carbonate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X TVBNS | | |
| Potassium Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X TVBNS | | |
| Potassium Chromate | 150 | B | A | X | I | I | I | A | I | B | B | A | B | I | I TVBN | | |
| Potassium Dichromate | 150 | B | A | X | I | I | I | A | I | B | B | A | A | B | X TVBNS | | |
| Potassium Hydrate | 150 | A | A | B | A | X | B | A | B | A | A | A | A | X | I T S | | |
| Potassium Hydroxide | 150 | B | A | B | A | X | B | A | B | A | A | A | A | X | X T N | | |
| Potassium Nitrate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | B | A TVBNS | | |
| Potassium Permanganate | 100 | A | A | A | A | A | B | I | I | A | A | A | A | I | I TVS | | |
| Potassium Silicate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | I | I TVBNS | | |
| Potassium Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | B | A TVBNS | | |
| Potassium Sulfide | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X TVBNS | | |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

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Chemical Charts

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------------------------|--------------------------|-------|--------|---|-------|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | Insta-Lock Fitting/Metal | | | | | |
| | | | | | | | | | | | | 316 SS | Aluminum | Brass | Gasket | | |
| P (continued) | | | | | | | | | | | | | | | | | |
| Potassium Sulfite | 150 | A | A | A | A | A | A | A | A | A | A | A | A | I | I | X | TVBNS |
| Propanediol | 100 | A | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVBS |
| Propane Gas | --- | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Propanol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | A | I | I | TVB |
| Propyl Acetate | 100 | A | A | B | X | X | X | B | X | A | B | A | A | A | I | I | T |
| Propyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | A | A | I | I | T B |
| Propyl Aldehyde | 100 | A | B | X | X | X | X | X | I | A | B | A | A | I | I | I | T |
| Propyl Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | | |
| Propylene Diamine | 100 | A | A | X | B | I | B | A | I | A | I | A | A | I | I | I | T B |
| Propylene Dichloride | 100 | B | X | X | X | B | X | X | X | B | I | A | A | A | X | I | T V |
| Propylene Glycol | 100 | A | A | A | A | A | A | A | A | A | A | A | A | A | I | I | TVBS |
| Propylene Tetramer | 100 | A | X | X | X | X | A | A | X | A | B | I | A | I | I | I | B |
| S | | | | | | | | | | | | | | | | | |
| Sea Water | 100 | A | A | A | A | A | A | A | A | A | A | A | A | A | I | X | TVBNS |
| Sewage | 100 | A | X | A | X | I | A | A | A | A | A | A | A | A | X | I | TBNS |
| Silicate of Soda | 100 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Soap | 100 | A | X | X | X | X | A | A | X | X | I | A | A | A | X | X | TBNS |
| Soda Ash | 100 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBNS |
| Soda, Caustic | 100 | A | A | B | A | X | B | A | A | A | A | A | A | A | X | X | TNS |
| Soda, Lime | 100 | A | A | B | A | X | B | A | A | A | A | A | A | I | I | I | TVB |
| Soda, Niter | 100 | A | A | A | A | A | A | A | B | A | A | A | A | A | B | I | TVB |
| Sodium Acetate | 100 | A | A | A | X | X | X | A | B | B | B | A | A | A | I | A | TNS |
| Sodium Aluminate | 100 | A | A | A | A | A | A | A | A | A | A | A | A | A | I | I | TVBN |
| Sodium Bisulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Sodium Bisulfite | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Sodium Carbonate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBNS |
| Sodium Chloride (Brine) | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBNS |
| Sodium Chromate | 150 | X | A | X | I | I | I | A | I | X | I | A | A | A | A | A | TVBN |
| Sodium Dichromate | 150 | A | A | X | I | I | I | A | A | A | A | A | A | A | I | X | T |
| Sodium Hydrate | 150 | A | A | B | A | X | B | A | A | A | A | A | A | B | X | X | T N |
| Sodium Hydrosulfide | 100 | A | X | X | X | X | A | A | X | A | I | A | A | I | B | I | T B |
| Sodium Hydroxide (50%) | 150 | A | A | B | A | X | B | A | A | A | A | A | A | A | X | X | TBN |
| Sodium Hypochlorite | 100 | B | B | X | X | B | X | A | A | X | B | A | A | X | X | X | TVS |
| Sodium Nitrate | 150 | A | A | A | A | A | A | A | B | A | A | A | A | A | B | I | TVBNS |
| Sodium Silicate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Sodium Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | B | X | TVBNS |
| Sodium Sulfide | 150 | A | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBN |
| Sodium Sulfite | 150 | A | A | A | A | A | A | A | B | A | A | A | A | A | I | I | TVBNS |
| Sodium Sulphhydrate | 100 | A | X | X | X | X | A | A | X | A | B | A | A | I | I | I | T B |

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Chemical Charts

Rating Scale

A = May be used for Continuous Service
I = Insufficient data, contact customer service
B = May be used for Intermittent Service
X = Do not use

Gasket

T = Teflon®
V = Viton®
N = Polychloroprene
S = Silicone
B = Nitrile

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|------------------------------|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|----------|--------------------------|--------|-------|--|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | | |
| S (continued) | | | | | | | | | | | | | | | | | |
| Sodium Thiosulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | X | TVBNS | |
| Stannic Chloride | 150 | A | A | A | A | I | A | A | A | A | A | X | X | X | T B | | |
| Stannic Sulfide | 150 | A | A | A | A | I | A | A | A | A | A | I | I | I | TBN | | |
| Stannous Chloride | 150 | A | A | A | A | I | A | A | B | A | A | A | X | X | T B | | |
| Stannous Sulfide | 150 | A | A | A | A | I | A | A | A | A | A | I | I | I | T B | | |
| Stearic Acid | 100 | A | B | X | X | I | A | A | B | A | A | A | B | A | TVB | | |
| Stoddard Solvent | 100 | A | X | X | X | A | A | A | X | A | B | A | A | I | TVB | | |
| Styrene | 100 | B | X | X | X | A | X | X | X | X | I | A | I | I | T V | | |
| Sulfamic Acid >10% | 100 | X | A | B | B | I | B | A | I | I | A | I | I | I | TVN | | |
| Sulfonic Acid | 100 | B | X | X | X | X | X | I | I | B | I | A | I | I | TVN | | |
| Sulfur Dioxide (Liquid) | 100 | B | B | B | I | X | I | I | I | X | I | A | A | I | T N | | |
| Sulfuric Acid 25% | 150 | A | A | B | B | I | X | A | A | A | A | I | X | X | TVN | | |
| Sulfuric Acid 93% | 100 | X | X | B | X | B | X | X | B | A | A | I | X | X | T V | | |
| Sulfuric Acid 93-98% | 100 | X | X | X | X | B | X | X | X | I | B | A | I | X | T V | | |
| Sulfuric Acid Fuming | 100 | X | X | X | X | X | X | X | X | X | X | A | I | X | T | | |
| Sulfurous Acid 10% | 150 | A | A | A | A | I | X | A | A | A | A | A | I | X | T | | |
| Sulfurous Acid 10-75% | 100 | A | A | A | A | I | X | A | A | A | A | A | I | X | T | | |
| Sulphonate | 100 | I | X | X | X | X | A | A | X | X | I | I | I | I | B | | |
| T | | | | | | | | | | | | | | | | | |
| Tall Oil | 100 | A | X | X | X | A | A | I | X | I | I | A | A | X | X | TVB | |
| Tallow | 150 | A | X | X | X | I | A | A | X | I | I | A | A | I | A | TBNS | |
| Tannic Acid | 150 | A | A | A | A | I | B | A | X | I | I | A | A | X | I | TVBN | |
| Tar | --- | Special Hose Required | | | | | | | | | | A | A | I | I | | |
| Tartaric Acid | 150 | A | A | A | A | I | A | A | A | A | A | A | A | I | A | TBN | |
| Tergitol | 100 | X | I | I | I | I | I | I | I | I | I | A | I | I | I | T | |
| Tertiary Butyl Alcohol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B | |
| Tetrachlorobenzene | 100 | B | X | X | X | B | X | I | X | B | I | A | I | I | I | T | |
| Tetrachloroethane | 100 | A | X | X | X | A | X | I | X | X | I | A | A | X | X | T V | |
| Tetrachloroethylene | 100 | A | X | X | X | A | X | X | X | A | B | A | A | B | X | T V | |
| Tetrachloromethane | 100 | A | X | X | X | A | X | X | X | X | B | A | A | I | I | T V | |
| Tetrachloronaphthalene | 100 | B | X | X | X | B | X | I | X | X | I | A | I | I | I | T | |
| Tetradecanol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B | |
| Tetraethylene Glycol | 150 | A | A | A | A | A | A | A | A | A | A | A | I | I | I | TVB | |
| Tetraethylene Lead | 100 | X | X | X | X | A | X | X | X | X | I | A | I | I | I | T V | |
| Tetrahydrofuran | 100 | B | X | X | X | X | X | X | X | B | X | A | A | B | X | T | |
| THF | 100 | B | X | X | X | X | X | X | X | B | X | A | A | B | X | T | |
| Thionyl Chloride | 100 | X | I | I | I | I | I | I | I | I | X | A | X | X | X | T | |
| Tin Chloride | 100 | A | A | A | A | I | A | A | A | A | A | A | X | X | X | TVB | |
| Tin Tetrachloride | 150 | B | A | A | A | I | A | A | A | A | A | A | X | X | X | T B | |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For an explanation of ratings, see the initial page of these Chemical Charts in Appendix B. Contact customer service for chemicals or polymers not listed at 800-235-4632.

Chemical Charts

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---|-------------------------|-----------------|-----------------------|----------------------------|--|---|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|-------|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Flexwing Petroleum Nitrile | Brown Flexwing & ExtremeFlex Brown CPE | Purple Flexwing & ExtremeFlex Purple EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | Gasket | | | | |
| | | | | | | | | | | | | 316 SS | Aluminum | Brass | Gasket | |
| T (continued) | | | | | | | | | | | | | | | | |
| Titanium Tetrachloride | 100 | B | X | X | X | A | B | X | X | A | B | A | B | X | X | T V |
| Toluene | 100 | A | X | X | X | A | X | X | X | B | B | A | A | A | A | T V |
| Toluidine | 100 | X | I | I | I | I | I | I | I | I | I | A | I | I | I | T |
| Toluol | 100 | A | X | X | X | A | X | X | X | B | B | A | A | A | A | T V |
| Transformer Oil | 100 | X | I | I | I | I | I | I | I | I | I | A | A | I | I | T |
| Transmission Oil "A" | 150 | B | X | X | X | A | A | I | X | I | I | A | A | A | A | TVB |
| Tributoxy Ethysulphate | 100 | I | A | X | X | A | X | X | A | X | I | I | I | I | I | V |
| Tributyl Amine | 100 | A | A | X | B | I | B | A | I | A | A | A | I | I | I | T |
| Tributyl Phosphate | 100 | A | A | X | X | X | X | X | X | A | I | A | A | I | X | T |
| Trichlorobenzene | 100 | B | X | X | X | B | X | X | X | B | I | A | I | A | I | T |
| Trichloroethane | 100 | A | X | X | X | A | X | B | X | X | B | A | A | I | I | T V |
| Trichloroethylene | 100 | X | X | X | X | A | X | X | X | X | B | A | A | I | I | T V |
| Trichloropropane | 100 | A | X | X | X | A | X | I | X | A | I | A | A | X | I | T V |
| Tricresylphosphate | 100 | A | A | X | X | A | X | A | A | A | I | A | A | X | I | T V |
| Tridecanol | 100 | A | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| Triethanolamine | 100 | A | A | X | B | X | B | A | A | A | A | A | A | I | X | T B |
| Triethylamine | 100 | A | A | X | B | I | B | A | I | A | A | A | A | I | I | TVBN |
| Triethylene Glycol | 150 | A | A | A | A | I | A | A | I | A | A | A | A | A | I | T B |
| Trifluralin (Trefalin) | 100 | A | X | X | X | A | X | X | X | A | I | A | I | I | I | T V |
| Triphenyl Phosphate | 100 | A | A | X | X | I | X | I | I | A | I | A | A | I | I | T |
| Tripolyphosphate | 100 | X | I | I | I | I | I | I | I | I | I | A | I | I | I | T |
| Trisodium Phosphate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | I | TVBNS |
| Turpentine | 100 | A | X | X | X | A | A | B | X | A | X | A | A | A | A | T V B |
| U | | | | | | | | | | | | | | | | |
| Urea | 100 | A | A | I | I | I | X | A | I | A | A | A | A | B | I | TVBN |
| Undecanol | 100 | B | A | A | A | B | A | A | A | A | A | A | I | I | I | T B |
| V | | | | | | | | | | | | | | | | |
| V.M. & P. Naptha | 100 | A | X | X | X | A | A | I | X | A | I | A | I | I | I | TVBS |
| Vinyl Acetate | 100 | A | A | B | X | X | X | A | X | A | B | A | A | I | X | T V |
| Vinyl Benzene | 100 | A | X | X | X | A | X | X | X | A | I | A | A | I | I | T V |
| Vinyl Chloride | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Vinyl Ether | --- | No Hose Recommended For This Application | | | | | | | | | | | | | | |
| Vinyl Toluene | 100 | A | X | X | X | A | X | X | X | A | I | A | I | I | I | T V |
| Vinyl Trichloride | 100 | A | X | X | X | A | X | X | X | A | B | A | A | I | I | T V |
| W | | | | | | | | | | | | | | | | |
| Water | 180 | A | A | A | A | A | A | A | A | A | A | A | A | I | I | TVBNS |
| Wax | 100 | A | X | X | X | X | A | A | X | X | X | A | A | I | I | TVBN |
| White Oil | 100 | A | X | X | X | I | A | A | X | I | I | A | I | I | I | TVB |
| Wood Alcohol | 100 | A | A | A | A | X | A | A | A | A | A | A | A | I | I | TBNS |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For an explanation of ratings, see the initial page of these Chemical Charts in Appendix B. Contact customer service for chemicals or polymers not listed at 800-235-4632.

Chemical Charts

Rating Scale

A = May be used for Continuous Service

B = May be used for Intermittent Service

I = Insufficient data, contact customer service

X = Do not use

Gasket

T = Teflon®

N = Polychloroprene

V = Viton®

S = Silicone

B = Nitrile

| ContiTech Chemical Hose / Hose Tube Polymer | | | | | | | | | | | | | Insta-Lock Fitting/Metal | | | |
|---|----------------|---------------------|-------------------------|-----------------|-----------------------|-------------------|----------------------------------|------------------------------------|----------------------------|---------------------------|--|--------|--------------------------|-------|--------|-------|
| Temp. (°F)* | Fabchem UHMWPE | Gray Flexwing Butyl | Yellow Flexwing Hypalon | Tan Flexwing NR | Orange Flexwing Viton | Petroleum Nitrile | Brown Flexwing & ExtremeFlex CPE | Purple Flexwing & ExtremeFlex EPDM | Blue Flexwing & Green XLPE | Chem One & Viper Alphasyn | Hi-Per, Conti Chem Superior FEP & Teflon | 316 SS | Aluminum | Brass | Gasket | |
| X | | | | | | | | | | | | | | | | |
| Xylene (Xylol) | 100 | X | X | X | X | A | X | X | X | A | B | A | A | I | I | T V |
| Xylidine | 100 | B | X | X | X | X | X | X | X | B | B | A | B | A | I | T |
| Z | | | | | | | | | | | | | | | | |
| Zinc Carbonate | 150 | A | A | A | A | A | A | A | A | A | A | A | B | B | X | TVBN |
| Zinc Chloride | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |
| Zinc Chromate | 150 | A | A | X | I | I | I | A | X | B | I | A | I | I | I | T |
| Zinc Phosphate | 100 | A | X | X | X | X | A | A | A | X | I | A | I | I | I | TBNS |
| Zinc Sulfate | 150 | A | A | A | A | A | A | A | A | A | A | A | A | X | X | TVBNS |

*Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For an explanation of ratings, see the initial page of these Chemical Charts in Appendix B. Contact customer service for chemicals or polymers not listed at 800-235-4632.

Spiraflex Hose Chemical Resistance Guide

Rating Scale

A = May be used for Continuous Service **B** = May be used for Intermittent Service
I = Insufficient data, contact customer service **X** = Do not use

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-------------------------|------------|-------------------------|------------------|--------------|---------------------|
| A | | | | | |
| Acetaldehyde | 70° | X | X | I | X |
| Acetic Acid, Conc. | 70° | X | B | I | I |
| Acetic Acid, Dilute 10 | 70° | B | A | I | I |
| Acetic Acid, Glacial | 70° | X | B | I | X |
| Acetic Aldehyde | 70° | I | X | I | X |
| Acetic Anhydride | 70° | X | X | X | X |
| Acetic Ester | 70° | X | X | X | B |
| Acetic Ether | 70° | X | X | X | I |
| Acetone | 70° | X | X | X | B |
| Acetone Cyanohydrin | 70° | X | X | X | I |
| Acetyl Acetone | 70° | X | X | X | I |
| Acetyl Chloride | 70° | X | I | X | X |
| Acetylene Dichloride | 70° | I | X | I | X |
| Acetylene Tetrachloride | 70° | I | X | I | I |
| Acrylonitrile | 70° | A | A | B | I |
| Allyl Alcohol | 70° | X | X | X | X |
| Allyl Bromide | 70° | X | X | X | I |
| Allyl Chloride | 70° | X | X | X | I |
| Aluminum | 70° | A | A | A | B |
| Aluminum Acetate | 70° | I | I | I | I |
| Aluminum Chloride | 70° | A | A | A | B |
| Aluminum Hydroxide | 70° | A | A | A | I |
| Aluminum Sulfate | 70° | A | A | A | B |
| Ammonia Cupric Sulfate | 70° | I | X | I | I |
| Ammonia Water | 70° | A | A | A | A |
| Ammonium Chloride | 70° | A | A | A | B |
| Ammonium Hydroxide | 70° | B | B | I | B |
| Ammonium Nitrate | 70° | A | A | A | I |
| Ammonium Phosphate | 70° | I | I | I | B |
| Ammonium Sulfate | 70° | A | A | A | B |
| Ammonium Sulfide | 70° | A | A | A | I |
| Ammonium Sulfite | 70° | A | A | A | I |
| Ammonium Thiosulfate | 70° | A | A | A | I |
| Amyl Acetate | 70° | X | X | X | X |
| Amyl Alcohol | 70° | B | B | I | X |
| Amyl Chloride | 70° | X | X | X | X |
| Amyl Phenol | 70° | I | X | X | I |
| Amyl Phthalate | 70° | I | X | I | I |
| Aniline Oils | 70° | X | X | X | I |
| Animal Grease | 70° | A | A | A | I |
| Animal Oils | 70° | A | A | A | X |
| Aqua Ammonia | 70° | I | B | B | I |
| Aromatic Tar | 70° | X | X | X | I |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|---------------------------|------------|-------------------------|------------------|--------------|---------------------|
| B | | | | | |
| Arsenic Acid | 70° | A | A | A | I |
| Arsenic Chloride | 70° | A | A | I | I |
| Arsenic Trichloride | 70° | A | A | I | I |
| Asphalt | 70° | X | X | X | X |
| ASTM #1 Oil | 70° | A | A | A | X |
| ASTM #2 Oil | 70° | A | A | I | X |
| ASTM #3 Oil | 70° | A | A | B | X |
| B | | | | | |
| Barium Carbonate | 70° | A | A | A | I |
| Barium Chloride | 70° | A | A | A | I |
| Barium Hydroxide | 70° | A | A | A | I |
| Barium Sulfate | 70° | A | A | A | I |
| Barium Sulfide | 70° | A | A | A | I |
| Benzyl Chloride | 70° | I | X | I | I |
| Benzaldehyde | 70° | X | X | X | X |
| Benzene (Benzol) | 70° | X | X | X | X |
| Benzene (Ligroin) | 70° | X | X | X | X |
| Benzine Solvent (Ligroin) | 70° | X | X | X | X |
| Benzoic Acid | 70° | B | A | A | B |
| Benzoic Aldehyde | 70° | I | X | I | I |
| Benzotrachloride | 70° | I | X | I | I |
| Benzoyl Chloride | 70° | I | X | I | I |
| Benzyl Acetate | 70° | I | X | I | I |
| Benzyl Chloride | 70° | I | X | I | I |
| Bichromate of Soda | 70° | I | A | I | I |
| Black Sulfate Liquor | 70° | A | A | A | I |
| Bleach | 70° | A | A | A | B |
| Brine | 70° | A | A | A | B |
| Bromine | 70° | X | X | X | X |
| Bromo Benzene | 70° | I | X | I | X |
| Bromo Toluene | 70° | I | X | I | I |
| Bromochloromethane | 70° | I | X | I | X |
| Butanol | 70° | I | X | I | B |
| Butyl (Normal) Alcohol | 70° | I | X | X | B |
| Butyl (Secondary) Alcohol | 70° | I | X | X | B |
| Butyl Acetate | 70° | X | X | I | X |
| Butyl Acetoacetate | 70° | I | X | I | I |
| Butyl Acrylate | 70° | I | X | I | I |
| Butyl Alcohol | 70° | A | A | A | B |
| Butyl Benzene | 70° | I | X | I | I |
| Butyl Benzil Phthalate | 70° | I | X | I | I |
| Butyl Bromide | 70° | I | X | I | I |
| Butyl Butyrate | 70° | I | X | I | I |

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling

Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum

Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
 Suction & Discharge
 Washdown
 Garden

Welding

Coupling Systems

Equipment

Appendix

Spiraflex Hose Chemical Resistance Guide

Rating Scale

A = May be used for Continuous Service **B** = May be used for Intermittent Service
I = Insufficient data, contact customer service **X** = Do not use

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|----------------------------------|------------|-------------------------|------------------|--------------|---------------------|
| B (continued) | | | | | |
| Butyl Chloride | 70° | I | X | I | I |
| Butyl Phthalate | 70° | I | X | I | X |
| Butyric Acid | 70° | I | X | B | I |
| C | | | | | |
| Cadmium Acetate | 70° | I | A | I | I |
| Calcium Acetate | 70° | I | A | I | I |
| Calcium Aluminate | 70° | I | A | I | I |
| Calcium Bichromate | 70° | I | A | I | I |
| Calcium Bisulfate | 70° | I | A | B | I |
| Calcium Bisulfite | 70° | A | A | A | I |
| Calcium Carbonate | 70° | A | A | A | I |
| Calcium Chloride | 70° | A | A | A | I |
| Calcium Hydroxide (Caustic Lime) | 70° | A | A | A | I |
| Calcium Hypochlorite | 70° | A | A | I | I |
| Calcium Nitrate | 70° | A | A | I | I |
| Calcium Silicate | 70° | A | A | I | I |
| Calcium Sulfate | 70° | A | A | A | I |
| Calcium Sulfide | 70° | A | A | I | I |
| Calcium Sulfite | 70° | A | A | I | I |
| Carbolic Acid, Phenol | 70° | X | X | X | X |
| Carbon Dioxide | 70° | A | A | A | B |
| Carbon Disulfide | 70° | X | X | X | X |
| Carbon Monoxide | 70° | A | A | A | B |
| Carbon Tetrachloride | 70° | X | X | X | X |
| Carbonic Acid | 70° | I | A | A | I |
| Casinghead Gasoline | 70° | I | X | X | X |
| Caster Oil (Castor Oil) | 70° | A | A | A | I |
| Caustic Potash | 70° | A | A | A | A |
| Caustic Soda | 70° | A | A | A | B |
| Chlorinated Solvents | 70° | I | X | I | I |
| Chlorine (Dry) | 70° | A | A | A | B |
| Chlorine (Wet) | 70° | B | X | I | B |
| Chloroacetone | 70° | I | X | I | I |
| Chlorobenzene | 70° | X | X | X | X |
| Chlorobutane | 70° | I | X | I | I |
| Chloroethylbenzene | 70° | I | X | I | I |
| Chloroform | 70° | X | X | X | X |
| Chloropentane | 70° | I | X | I | X |
| Chlorophenol | 70° | I | X | I | I |
| Chloropropanone | 70° | I | X | I | I |
| Chlorosulfonic Acid | 70° | I | B | I | X |
| Chlorothene | 70° | I | X | I | X |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-----------------------|------------|-------------------------|------------------|--------------|---------------------|
| Chlorotoluene | 70° | X | X | X | X |
| Chromic Acid | 70° | B | B | B | B |
| Copper Chloride | 70° | A | A | A | B |
| Copper Hydrate | 70° | I | A | I | I |
| Copper Hydroxide | 70° | I | A | I | I |
| Copper Nitrate | 70° | A | A | A | I |
| Copper Nitrite | 70° | A | A | A | I |
| Copper Sulfate | 70° | A | A | A | I |
| Copper Sulfide | 70° | B | A | B | I |
| Creosol | 70° | X | X | X | X |
| Creosote | 70° | X | X | X | X |
| Crude Oil | 70° | B | A | B | X |
| Cupric Carbonate | 70° | I | A | I | I |
| Cupric Chloride | 70° | A | A | I | I |
| Cupric Nitrate | 70° | A | A | I | I |
| Cupric Nitrite | 70° | A | A | I | I |
| Cupric Sulfate | 70° | A | A | A | I |
| Cyclohexane | 70° | X | X | X | X |
| Cyclohexanol | 70° | X | X | X | X |
| Cyclohexanone | 70° | X | X | X | X |
| Cyclopentane, Methyl | 70° | I | A | I | I |
| Cyclopentanol | 70° | I | A | I | I |
| Cyclopentanone | 70° | I | A | I | I |
| D | | | | | |
| D.D.T. | 70° | I | A | I | I |
| D.D.T. in Kerosene | 70° | X | X | X | X |
| Decalin | 70° | I | B | I | I |
| Decanol | 70° | I | B | I | I |
| Decyl Alcohol | 70° | I | A | I | I |
| Decyl Butyl Phthalate | 70° | X | X | X | X |
| Denatured Alcohol | 70° | I | A | B | I |
| Diacetone Alcohol | 70° | B | A | B | B |
| Diaryl Phenol | 70° | X | X | X | X |
| Dibromobenzene | 70° | I | X | I | I |
| Dibutyl Amine | 70° | I | X | I | I |
| Dibutyl Phthalate | 70° | X | X | X | X |
| Dibutyl Sebacate | 70° | I | X | I | I |
| Dicalcium Phosphate | 70° | B | A | B | I |
| Dichlorobenzene | 70° | X | X | X | X |
| Dichlorobutane | 70° | I | X | I | I |
| Dichlorodiboromethane | 70° | X | X | X | X |
| Dichloroethane | 70° | I | X | I | I |
| Dichloroethyl Ether | 70° | I | X | I | X |

Spiraflex Hose Chemical Resistance Guide

Rating Scale

A = May be used for Continuous Service **B** = May be used for Intermittent Service
I = Insufficient data, contact customer service **X** = Do not use

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|----------------------|------------|-------------------------|------------------|--------------|---------------------|
| D (continued) | | | | | |
| Dichloroethylene | 70° | I | X | I | X |
| Dichlorohexane | 70° | I | X | I | X |
| Dichloromethane | 70° | I | X | I | X |
| Dichloropentane | 70° | I | X | I | X |
| Dichloropropane | 70° | I | X | I | X |
| Diesel Oil | 70° | I | B | X | X |
| Diethylamine | 70° | I | I | I | I |
| Diethyl Benzene | 70° | I | X | I | X |
| Diethyl Ketone | 70° | I | X | I | I |
| Diethyl Oxalate | 70° | I | X | I | I |
| Diethyl Phthalate | 70° | I | X | I | I |
| Diethyl Sebacate | 70° | I | X | I | I |
| Diethylene Glycol | 70° | I | B | I | I |
| Diisobutyl Ketone | 70° | I | X | I | I |
| Diisooctyl Adipate | 70° | I | X | I | I |
| Diisooctyl Phthalate | 70° | I | X | I | I |
| Diisodecyl Adipate | 70° | I | X | I | I |
| Diisopropyl Amine | 70° | I | X | I | I |
| Diisopropyl Ketone | 70° | I | X | I | I |
| Dimethyl Amine | 70° | I | X | I | I |
| Dimethyl Benzene | 70° | I | X | I | I |
| Dimethyl Ketone | 70° | I | X | I | I |
| Dimethyl Phthalate | 70° | I | X | I | I |
| Dinitrobenzene | 70° | I | X | I | I |
| Diocetyl Adipate | 70° | I | X | I | I |
| Diocetyl Phthalate | 70° | X | X | X | X |
| Diocetyl Sebacate | 70° | I | X | I | I |
| Diphenyl Phthalate | 70° | I | X | I | I |
| Dipropyl Ketone | 70° | I | X | I | I |
| Disodium Phosphate | 70° | A | A | A | B |
| Divinyl Benzene | 70° | I | X | I | I |
| Dodecyl Benzene | 70° | I | X | I | I |
| E | | | | | |
| Ethanol | 70° | A | A | A | A |
| Ethanol Amine | 70° | B | A | B | I |
| Ethyl Acetate | 70° | X | X | X | B |
| Ethyl Acetoacetate | 70° | I | X | I | I |
| Ethyl Acrylate | 70° | x | X | X | I |
| Ethyl Alcohol | 70° | A | A | A | A |
| Ethyl Benzene | 70° | I | X | I | X |
| Ethyl Butanol | 70° | I | A | I | I |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-----------------------------|------------|-------------------------|------------------|--------------|---------------------|
| Ethyl Butyl Acetate | 70° | I | X | I | I |
| Ethyl Butyl Alcohol | 70° | I | A | I | I |
| Ethyl Butyl Ketone | 70° | I | X | I | I |
| Ethyl Chloride | --- | X | X | X | X |
| Ethyl Dichloride | 70° | X | X | X | X |
| Ethyl Ether | --- | X | X | X | X |
| Ethyl Formate | 70° | I | X | I | I |
| Ethyl Hexyl Acetate | 70° | I | X | I | I |
| Ethyl Hexyl Alcohol | 70° | I | A | I | I |
| Ethyl Iodide | 70° | x | X | X | X |
| Ethyl Isobutyl Ether | 70° | I | X | I | I |
| Ethyl Methyl Ketone | 70° | X | X | X | X |
| Ethyl Oxalate | 70° | I | X | I | I |
| Ethyl Phthalate | 70° | I | X | I | I |
| Ethyl Propyl Ether | 70° | I | X | I | I |
| Ethyl Propyl Ketone | 70° | X | X | X | I |
| Ethylene Bromide | 70° | X | X | X | X |
| Ethylene Chloride | 70° | X | X | X | X |
| Ethylene Dibromide | 70° | X | X | X | X |
| Ethylene Dichloride | 70° | X | X | X | X |
| Ethylene Glycol | 70° | A | A | A | A |
| F | | | | | |
| Ferric Bromide | 70° | A | A | A | B |
| Ferric Chloride | 70° | A | A | A | A |
| Ferric Sulfate | 70° | A | A | A | A |
| Ferrous Acetate | 70° | A | A | A | I |
| Ferrous Chloride | 70° | A | A | A | B |
| Ferrous Hydroxide | 70° | I | A | A | I |
| Ferrous Sulfate | 70° | A | A | A | A |
| Fluorine | 70° | X | X | X | X |
| Fluosilicic Acid | 70° | A | A | A | B |
| Formaldehyde | 70° | X | X | B | A |
| Formalin | 70° | I | I | A | A |
| Formic Acid (less than 50%) | 70° | B | B | A | A |
| Formic Acid (more than 50%) | 70° | B | X | X | B |
| Freon* 12 | 70° | B | B | B | X |
| Freon* 22 | 70° | X | X | X | X |
| Fuel A (ASTM) | 70° | A | B | B | I |
| Fuel B (ASTM) | 70° | A | B | X | X |
| Fuel Oil | 70° | A | B | B | X |
| Furfural | 70° | X | X | X | X |

* Freon* is a registered trademark of E.I. du Pont de Nemours and Company.

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Rating Scale

A = May be used for Continuous Service **B** = May be used for Intermittent Service
I = Insufficient data, contact customer service **X** = Do not use

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|------------------------------|------------|-------------------------|------------------|--------------|---------------------|
| G | | | | | |
| Gasoline | 70° | X | X | X | X |
| Glacial Acetic Acid | 70° | X | B | I | I |
| Glycerin | 70° | A | A | A | B |
| Grease | 70° | A | A | A | B |
| H | | | | | |
| Heptane | 70° | A | A | X | X |
| Hexane | 70° | A | A | B | X |
| Hexanol | 70° | B | A | B | B |
| Hexyl Methyl Ketone | 70° | I | X | I | I |
| Hexylene Glycol | 70° | I | B | I | I |
| Hexyl-Alcohol | 70° | I | A | I | I |
| Hydrobromic Acid | 70° | A | A | B | B |
| Hydrochloric Acid | 70° | A | B | A | A |
| Hydrofluoric Acid | 70° | A | B | A | B |
| Hydrofluosilicic Acid | 70° | B | B | I | I |
| Hydrogen Dioxide 10% | 70° | I | A | A | I |
| Hydrogen Dioxide (over 10%) | 70° | I | A | A | I |
| Hydrogen Gas | 70° | X | X | X | B |
| Hydrogen Peroxide 10% | 70° | A | A | A | B |
| Hydrogen Peroxide (over 10%) | 70° | A | A | A | B |
| I | | | | | |
| Iodine | 70° | X | X | X | X |
| Iron Acetate | 70° | I | A | I | I |
| Iron Hydroxide | 70° | I | A | A | I |
| Iron Salts | 70° | I | A | A | B |
| Iron Sulfate | 70° | I | A | A | A |
| Iron Sulfide | 70° | I | A | I | I |
| Isoamyl Acetate | 70° | I | X | I | I |
| Isoamyl Alcohol | 70° | I | A | I | I |
| Isoamyl Bromide | 70° | X | X | X | I |
| Isoamyl Butyrate | 70° | I | X | I | I |
| Isoamyl Chloride | 70° | I | X | I | I |
| Isoamyl Ether | 70° | I | X | I | I |
| Isoamyl Phthalate | 70° | I | X | I | I |
| Isobutanol | 70° | I | A | I | A |
| Isobutyl Acetate | 70° | I | X | I | I |
| Isobutyl Alcohol | 70° | I | A | I | A |
| Isooctane | 70° | I | B | X | I |
| Isopentane | --- | I | B | I | I |
| Isopropanol | 70° | I | A | I | A |
| Isopropyl Acetate | 70° | X | X | X | I |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-------------------------|------------|-------------------------|------------------|--------------|---------------------|
| Isopropyl Alcohol | 70° | A | A | B | B |
| Isopropyl Benzene | 70° | I | X | I | X |
| Isopropyl Chloride | --- | I | X | I | I |
| J | | | | | |
| Jet Fuels | --- | X | X | X | X |
| K | | | | | |
| Kerosene | 70° | X | B | X | X |
| Ketones | 70° | X | X | X | X |
| L | | | | | |
| Lead Acetate | 70° | A | A | A | B |
| Lead Sulfate | 70° | I | X | I | I |
| Linseed Oil | 70° | A | A | A | X |
| Lubricating Oils | 70° | A | B | B | I |
| M | | | | | |
| MIBK | 70° | I | X | I | X |
| M.E.K. | 70° | X | X | B | X |
| Magnesium Acetate | 70° | I | A | I | I |
| Magnesium Chloride | 70° | A | A | A | A |
| Magnesium Hydrate | 70° | I | A | A | B |
| Magnesium Hydroxide | 70° | A | A | A | A |
| Magnesium Sulfate | 70° | A | A | A | A |
| Malic Acid | 70° | B | A | B | B |
| Manganese Sulfate | 70° | I | A | I | I |
| Manganese Sulfide | 70° | I | A | I | I |
| Manganese Sulfite | 70° | I | A | I | I |
| Methanol | 70° | A | A | A | A |
| Methallyl Alcohol | 70° | I | A | I | I |
| Methyl (Wood) Alcohol | 70° | B | B | A | A |
| Methyl Acetate | 70° | X | X | X | X |
| Methyl Acetoacetate | 70° | I | X | I | I |
| Methyl Acetone | 70° | I | X | I | X |
| Methyl Amyl Acetate | 70° | X | X | X | X |
| Methyl Amyl Alcohol | 70° | I | A | I | I |
| Methyl Amyl Ketone | 70° | I | X | A | I |
| Methyl Benzene | 70° | I | X | I | X |
| Methyl Butanol | 70° | I | B | I | X |
| Methyl Butyl Ketone | 70° | I | X | I | I |
| Methyl Cellosolve | 70° | I | B | I | I |
| Methyl Chloride | --- | X | X | X | X |
| Methyl Ethyl Ketone | 70° | X | X | X | X |
| Methyl Hexyl Ketone | 70° | X | X | X | X |
| Methyl Isobutyl Ketone | 70° | X | X | X | X |
| Methyl Isopropyl Ketone | 70° | X | X | X | X |

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Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-----------------------------|---|-------------------------|------------------|--------------|---------------------|
| M (continued) | | | | | |
| Methyl (Normal) Amyl Ketone | 70° | X | X | X | X |
| Methylallyl Chloride | 70° | X | X | X | X |
| Methyl Propyl Ether | 70° | I | I | A | I |
| Methyl Propyl Ketone | 70° | I | X | I | I |
| Methylallyl Acetate | 70° | I | X | I | I |
| Methylene Bromide | 70° | X | X | X | I |
| Methylene Chloride | --- | X | X | X | X |
| Mineral Spirits | 70° | I | B | I | I |
| Monochlorobenzene | 70° | X | X | X | X |
| Monochlorodifluoromethane | 70° | I | X | I | I |
| Muriatic Acid | 70° | I | B | A | B |
| N | | | | | |
| Naptha | 70° | B | B | B | X |
| Naphthalene | 70° | B | X | B | X |
| Natural Gas | No Hose is recommended for this service | | | | |
| Nickel Chloride | 70° | A | A | A | B |
| Nickel Nitrate | 70° | A | A | A | B |
| Nickel Sulfate | 70° | A | A | A | A |
| Nitric Acid 10% | 70° | A | A | A | B |
| Nitric Acid 20% | 70° | A | B | A | B |
| Nitric Acid 30% | 70° | B | B | A | B |
| Nitric Acid 30-70% | 70° | X | X | X | X |
| Nitro Benzene | 70° | X | X | X | X |
| Nitrogen Gas | 70° | A | A | A | A |
| Nitrous Oxide | 70° | A | A | A | B |
| O | | | | | |
| Octanol | 70° | I | A | I | B |
| Octyl Acetate | 70° | I | X | I | I |
| Oil Petroleum | 70° | A | B | A | I |
| Oleic Acid | 70° | B | B | B | B |
| Oleum | 70° | X | X | X | X |
| Orthodichlorobenzene | 70° | I | X | I | I |
| Orthodichlorobenzol | 70° | I | X | I | I |
| Oxalic Acid | 70° | A | A | A | A |
| Oxygen | No Hose is recommended for this service | | | | |
| Ozone | 70° | B | B | B | B |
| P | | | | | |
| Palmitic Acid | 70° | B | B | B | B |
| Papermakers Alum | 70° | I | A | I | I |
| Paradichlorobenzol | 70° | I | X | I | I |
| Paraffin | 70° | B | A | B | I |
| Pentachloroethane | 70° | I | I | X | I |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|---------------------------|------------|-------------------------|------------------|--------------|---------------------|
| Pentane | 70° | B | B | I | X |
| Pentanol | 70° | I | A | I | I |
| Perchloroethylene | 70° | X | X | X | X |
| Petroleum Ether (Ligroin) | 70° | A | B | I | X |
| Petroleum, Crude | 70° | A | B | X | X |
| Petroleum Oils | 70° | A | B | X | X |
| Phenol | 70° | X | X | X | X |
| Phenosulfonic Acid | 70° | I | X | I | I |
| Phenyl Chloride | 70° | I | I | X | X |
| Phosphoric Acid 10% | 70° | A | A | A | A |
| Phosphoric Acid 10%-85% | 70° | B | B | A | B |
| Polyethylene Glycol | 70° | B | B | A | B |
| Polypropylene Glycol | 70° | B | B | A | B |
| Potassium Acetate | 70° | I | A | A | B |
| Potassium Bisulfate | 70° | A | A | A | B |
| Potassium Bisulfite | 70° | A | A | A | B |
| Potassium Carbonate | 70° | A | A | A | A |
| Potassium Chloride | 70° | A | A | A | A |
| Potassium Chromate | 70° | A | A | A | B |
| Potassium Dichromate | 70° | A | A | A | B |
| Potassium Hydrate | 70° | I | A | I | B |
| Potassium Hydroxide | 70° | B | A | A | B |
| Potassium Nitrate | 70° | A | A | A | B |
| Potassium Silicate | 70° | I | A | I | B |
| Potassium Sulfate | 70° | A | A | A | B |
| Potassium Sulfide | 70° | A | A | A | B |
| Potassium Sulfite | 70° | A | A | A | B |
| Propanediol | 70° | I | A | I | B |
| Propanol | 70° | I | A | I | B |
| Propyl Acetate | 70° | I | X | I | I |
| Propyl Alcohol | 70° | A | A | B | B |
| Propyl Chloride | --- | X | X | X | X |
| Propylene Dichloride | 70° | X | X | X | X |
| Propylene Glycol | 70° | A | I | A | A |
| S | | | | | |
| Sea Water | 70° | A | A | A | A |
| Silicate of Soda | 70° | I | B | A | A |
| Soda Ash | 70° | A | A | A | A |
| Soda, Caustic | 70° | A | B | A | A |
| Soda, Lime | 70° | I | B | A | I |
| Soda, Niter | 70° | I | B | I | A |

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Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|-------------------------|------------|-------------------------|------------------|--------------|---------------------|
| Sodium Acetate | 70° | A | B | A | B |
| Sodium Aluminate | 70° | I | A | A | B |
| Sodium Bisulfate | 70° | A | A | A | A |
| Sodium Bisulfite | 70° | I | A | A | A |
| Sodium Carbonate | 70° | A | A | A | A |
| Sodium Chloride (brine) | 70° | A | A | A | A |
| Sodium Chromate | 70° | I | A | I | I |
| Sodium Dichromate | 70° | A | A | A | B |
| Sodium Hydrate | 70° | I | A | I | I |
| Sodium Hydrochlorite | 70° | A | A | B | B |
| Sodium Hydroxide | 70° | A | A | A | A |
| Sodium Hypochlorite | 70° | A | A | A | A |
| Sodium Nitrate | 70° | A | A | A | A |
| Sodium Silicate | 70° | A | A | A | A |
| Sodium Sulfate | 70° | A | A | A | A |
| Sodium Sulfide | 70° | A | A | A | A |
| Sodium Sulfite | 70° | A | A | A | A |
| Sodium Thiosulfate | 70° | A | A | A | A |
| Stannic Chloride | 70° | A | A | A | B |
| Stannic Sulfide | 70° | I | A | I | I |
| Stannous Chloride | 70° | I | A | I | I |
| Stannous Sulfide | 70° | I | A | I | I |
| Stearic Acid | 70° | A | A | A | A |
| Sulfonic Acid | 70° | I | B | I | I |
| Sulfur Dioxide (Liquid) | 70° | X | X | X | X |
| Sulfuric Acid (Dry) | 70° | A | A | A | A |
| Sulfuric Acid 25% | 70° | A | A | A | A |
| Sulfuric Acid 25-50% | 70° | A | A | A | A |
| Sulfuric Acid 50-96% | 70° | X | X | B | B |
| Sulfuric Acid Fuming | 70° | X | X | X | X |
| Sulfurous Acid 10% | 70° | B | B | B | A |
| Sulfurous Acid 10-75% | 70° | X | X | X | X |
| T | | | | | |
| Tannic Acid | 70° | B | B | B | A |
| Tar | --- | I | X | I | I |
| Tartaric Acid | 70° | A | A | A | A |
| Tertiary Butyl Alcohol | 70° | B | B | B | I |
| Tetrachlorobenzene | 70° | I | X | I | I |
| Tetrachloroethane | 70° | I | X | X | X |
| Tetrachloroethylene | 70° | I | X | X | X |
| Tetraethylene Glycol | 70° | I | B | I | I |
| Tetrachloromethane | 70° | I | X | I | X |
| Tetrachloronaphthalene | 70° | I | X | I | X |

Thermoplastic Hose

| | Temp. (F°) | Polyurethane Spirathane | PVC Pliovic Plus | TPE Arvac SW | TPR Green Hornet XF |
|----------------------|------------|-------------------------|------------------|--------------|---------------------|
| Tetrahydrofuran | 70° | X | X | X | X |
| Tin Chloride | 70° | B | B | B | B |
| Tin Tetrachloride | 70° | B | B | B | B |
| THF | 70° | I | X | I | X |
| Toluene | 70° | X | X | X | X |
| Toluidine | 70° | I | X | I | I |
| Toluol | 70° | X | X | X | X |
| Transmission Oil "A" | 70° | A | B | I | I |
| Tributyl Phosphate | 70° | X | X | X | X |
| Trichlorobenzene | 70° | X | X | X | X |
| Trichloroethane | 70° | I | X | X | X |
| Trichloroethylene | 70° | X | X | X | X |
| Trichloropropane | 70° | I | I | X | X |
| Triethanolamine | 70° | B | B | B | I |
| Triethylene Glycol | 70° | I | B | I | B |
| Triphenyl Phosphate | 70° | B | X | I | I |
| Trisodium Phosphate | 70° | B | B | A | A |
| Turpentine | 70° | B | B | A | X |
| U | | | | | |
| Urea | 70° | A | A | A | A |
| Undecanol | 70° | I | A | I | I |
| V | | | | | |
| V.M. & P. Naptha | 70° | I | B | I | I |
| Vinyl Acetate | 70° | I | X | I | X |
| Vinyl Benzene | 70° | I | X | I | X |
| Vinyl Chloride | --- | X | X | X | X |
| W | | | | | |
| Water | 70° | A | A | A | A |
| Wood Alcohol | 70° | B | B | B | A |
| X | | | | | |
| Xylene (Xylol) | 70° | X | X | X | X |
| Xylidine | 70° | I | X | I | I |
| Z | | | | | |
| Zinc Carbonate | 70° | I | A | A | B |
| Zinc Chloride | 70° | A | A | A | B |
| Zinc Chromate | 70° | A | A | A | I |
| Zinc Sulfate | 70° | A | A | A | B |

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Chemical Properties Of Fluoroethylenepropylene (FEP)

As stated by E.I. du Pont de Nemours

FEP fluorocarbon resins are attacked by certain halogenated complexes containing fluorine including: chlorine trifluoride, bromine trifluoride, iodine pentafluoride and fluorine itself.

FEP is also attacked by such metals as sodium or potassium, especially in their molten states. Great care should be used when mixing finely divided fluorocarbon polymers with finely divided metals, such as aluminum, magnesium or barium, since these can react violently if ignited or heated to a high temperature. Certain complexes of these metals with ammonia or naphthalene (in either solvent) also attack the products. Certain metal hydrides such as boranes, aluminum chloride and certain amines have also been observed to attack fluorocarbon resins at elevated temperatures.

The following materials are inert to FEP:

- › Alcohols
- › Aliphatic Hydrocarbons
- › Aromatics
- › Esters
- › Fluorocarbons
- › Inorganic Oxidizing Agents
- › Organic Acids
- › Strong Mineral Acids
- › Aldehydes
- › Anhydrides
- › Chlorocarbons
- › Ethers
- › Inorganic Bases
- › Ketones
- › Salt Solutions

FEP is a registered trademark with E.I. du Pont de Nemours.

Method For Steam Cleaning ContiTech Products (Chem One™, Viper™, Fabchem® and Fabchem® ARC)

5 Important Requirements:

- 1) Hose must be open-ended during steam cleaning.
- 2) Temperature of steam – maximum 288°F (142°C).
- 3) Length of cleaning time – 5 to 10 minutes... not more than 15 minutes.
- 4) Care must be taken not to score the tube (liner) with the nozzle or wand end.
- 5) Prolonged steam jet contact on a specific area of the tube (liner) could cause tube damage.

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Infinity™/Paladin® Drop Hose Coupling Procedure

With Insta-Lock™ Fittings

To make an electrically continuous (EC) assembly, the static wire must be terminated to the couplings as the static dissipating property of the tube alone is not sufficient to meet NAHAD¹ or ARPM² specifications.

Infinity™

Locate and pull on the static wire between the fabric plies, bend approximately one inch of the static wire under the tube to make contact with the coupling stem. Grounding staple is also an acceptable method.

Paladin®

Locate the static wire between the fabric plies. Insert one leg of a grounding staple in the middle of the wire. Ensure that the other leg of the grounding staple is in contact with the coupling stem.

Attachment Options

For Crimp Sleeve, refer to the ContiTech Products Crimp Assembly Manual for crimp specifications. Current Crimp Sleeve options are listed on page 330 of this catalog. The use of PVC banding coil is not required with Crimp Sleeve.

Band Clamps—PVC banding coils are required when using this method of attachment. Order the appropriate banding coil to match your hose selection. Follow the procedures below when using the banding coils:

1. Insert stem inside hose end.
2. Apply sufficient banding coil in between the hose outer PVC helix to insure complete coverage under the band clamps position.
3. Place the banding coil tightly around the hose to properly fill the cover depressions. Clamp the first band, re-tighten the banding coil and clamp the second band.
4. Please refer to the NAHAD guidelines for detailed instructions.

Banding coil selection

- › For 2" ID hose use 2" ID banding coil.
- › For 3" ID hose use 3" ID banding coil.
- › For 4" ID hose use 4" ID banding coil.

¹ NAHAD (National Association of Hose and Accessories Distributors)

² ARPM (Association for Rubber Products Manufacturers)

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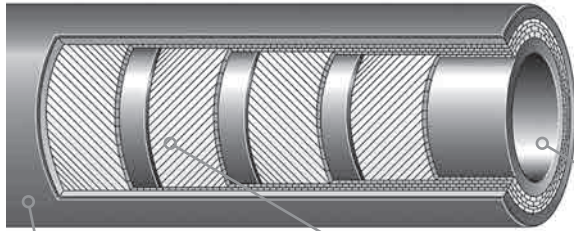
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General Information

Basic Hose Construction



Cover The cover is the outermost or visible area of the hose. It is designed to be a protective covering against wear, abrasion, cuts, weather, and the general destructive action encountered in normal service.

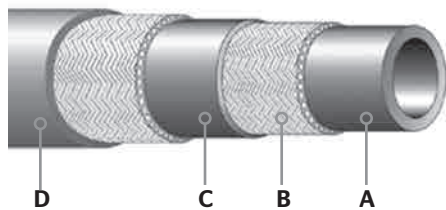
Body or Carcass The body reinforcement is the supporting structure of the hose. It can range from simple to complex combinations and consists of cord, yarn, fabric, wire or any combination of these.

Tube Or Lining The tube is the inner-most element of a hose and is compounded to provide resistance to the material being carried. With the wide range of rubber compounds available, a hose can be built to withstand abrasive materials, chemicals, oil and a wide variety of other materials.

The Four Basic Methods Of Hose Construction

Although we make more than 2,000 types of hose for specialized applications, there are only four basic construction methods used. Since each of these four methods embodies certain fundamental characteristics that make it particularly suitable for certain functions, an understanding of these methods may assist you in making the best use of this catalog. Keep in mind that a reference to any one of these types of construction will imply all the characteristics and benefits outlined here, plus specific features attained through the proper compounding of rubber, choice materials and variation in plies and thickness to ensure that each hose is exactly right for the job for which it is designed.

Type 1

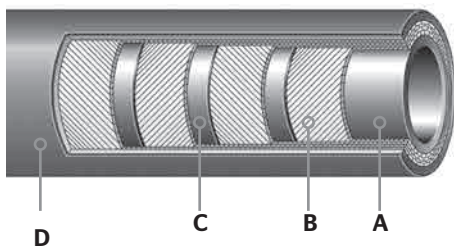


Type 1: Vertical Braided Hose

Entire hose length cured in one operation.

- A. Extruded seamless tube.
- B. Seamless reinforcing braids of synthetic textile wire or other material applied by high speed vertical or horizontal braiders.
- C. Rubber layers between braids establish a positive bond between braids when vulcanized.
- D. Extruded, seamless cover.

Type 2



Type 2: Spiral Hose

Built by machine with either textile or wire cord reinforcement applied so that each ply is laid at a given angle for maximum dimensional stability.

- A. Extruded or calendered tube.
- B. Reinforcement of synthetic textile wire or other material.
- C. Rubber layers between reinforcement plies to establish a positive bond.
- D. Cover.

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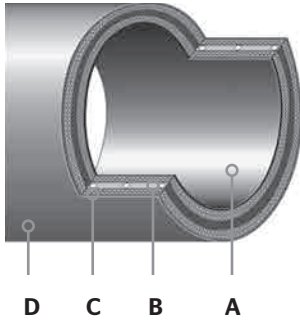
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The Four Basic Methods Of Hose Construction (continued)

Type 3

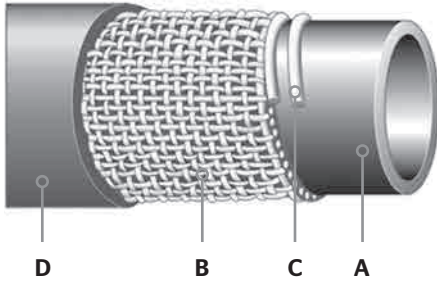


Type 3: Hand-built Spiral-plied Hose

Built by hand on a mandrel. Cured under pressure applied from outside by cloth wraps and steam.

- A. Calendered or "built-up" tube to fit service.
- B. Tailor-made spiral-wrapped fabric.
- C. Wire reinforcement where needed.
- D. Cover stock of selected gauge and compound. Wrap cured.

Type 4



Type 4: Knitted Hose

- A. Extruded seamless tube.
- B. Seamless woven textile jacket.
- C. Interwoven wire helix reinforcement where needed.
- D. Extruded seamless cover.

Advantages

TYPE 1 Braided Hose

Flexibl with a high resistance to kinking. Cover is either smooth or wrapped. Available in long, continuous lengths with excellent tensile strength.

TYPE 2 Spiral Hose

Extremely flexible. Smooth bore, uniform tube. Highstrength with long length capability.

TYPE 3 Hand-built Spiral-plied Hose

Craftsman-built to special requirements. A wide variation in sizes, constructions and materials available. Built-in strength to fit most rugged job requirements. Couplings, fittings, nipples, flanges and beaded ends can be built-in. Available in lengths up to 50 feet and in sizes up to 18 inches. On larger diameters, consult your ContiTech sales representative.

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Definitions of Hose Ends



Plain End

All hose construction elements (including wire, if wire is used as a reinforcing member) are exposed. The hose always has the same inside diameter throughout. In the case of certain hand-built specifications having wire reinforcement, the wire and fabric reinforcement are not exposed. All vertical spiral hose is available only with plain ends. Horizontal spiral and wrapped ply machine-built hose is furnished with plain ends unless otherwise specified in the price book.



Built-In Nipple End

The hose end is integrally built around and bonded to the nipple body. The hose reinforcing materials are also anchored to the nipple. The nipples used are generally fabricated from pipe. Nipples made from standard pipe will be full bore only when pipe 12" and under is used since nominal pipe sizes over 12" are described by pipe OD and not ID. Available only in hand-built hose constructions.



Swaged End

Primarily used on petroleum OS&D dock hose as an alternative to built-in nipples. The steel (carbon or stainless) stem/coupling accommodates threaded, slip-on or welded flanged ends. Stem/coupling is attached to hose with swaged steel ferrule over the cover.



Enlarged End

The hose end is enlarged to accommodate the outside diameter of the shank of a fitting plus the depth of the shank. The helical wire is terminated at the enlarged end. The inside diameter of a "standard" enlarged end is the same dimension as the outside diameter of the same nominal pipe size. (Example: 6" ID hose enlarged to 6⁵/₈" at the end handles a 6" size pipe which has a 6⁵/₈" OD.) Normally used in hand-built hose constructions.



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Integral Rubber Tapered Nozzle End

The inside diameter and the outside diameter of the hose end are gradually tapered down to form a nozzle.

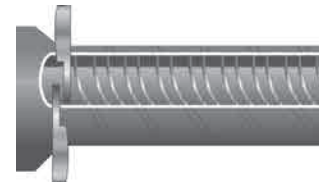
The hose reinforcement is also extended to the end of the nozzle. A rubber end cap is then added to protect the reinforcement and properly shape the nozzle. This type of nozzle is available only in non-wire inserted horizontal spiral and wrapped ply machine-built hose.



Rubber Beaded End

Forms a flared bell shape, molded as an integral part of the hose. The reinforcing fabric of the hose body is extended beyond the straight portion of the hose and anchored around a circular steel reinforcing ring.

A reattachable split malleable iron flange is placed behind the rubber bead to act as a metal bearing surface for bolt heads and nuts. Bolts used to connect mating flanges pass over the outside diameter of the beaded end. Normally used in hand-built hose constructions.



Integral Rubber Flanged End

Shaped similar to a metal pipe flange. It is molded as an integral part of the hose with the tube, fabric reinforcement (not wire) and cover extending to the outside diameter of the rubber flange. The rubber flange has holes to match customer requirements. In addition, solid metal "backup" rings (drilled to match the rubber flange holes) are always placed behind the rubber flange to provide a metal bearing surface for bolt heads and nuts. Available only in hand-built hose constructions.



Soft End

The helical wire reinforcement is terminated several inches back from the end of the hose. When a hose has either a corrugated cover or tube (or both), a soft end is generally used and always has a smooth inside diameter and outside diameter. Normally used in hand-built hose constructions.



General Information

Design Ratio – Association for Rubber Products Manufacturers Design Considerations

Reprinted from ARPM hose handbook IP-2-2015

Design Ratio

A ratio used to establish the working pressure of the hose, based on the burst strength of the hose.

Design Considerations

In designing hose, it is customary to develop a design ratio, which is the ratio between the minimum burst pressure and the maximum working pressure (WP).

Burst test data is compiled, and the minimum value is established by accepted statistical techniques. This is done as a check on theoretical calculations, based on the strength of reinforcing materials and on the characteristics of the method of fabrication.

Minimum burst values are used as one factor in establishing a reasonable and safe maximum working pressure.

Maximum Working Pressure is One of the Essential Operating Characteristics that a Hose User Must Know and Respect to Assure Satisfactory Service and Optimum Life.

It should be noted that design ratios are dependent on more than the minimum burst value. The hose technologist must anticipate natural decay in the strength of reinforcing materials, the accelerated decay induced by the anticipated environments in which the hose will be used and the dynamic situations that a hose might likely encounter in service.

Including all considerations, the following design ratios should be considered minimum requirements for newly manufactured hose:

| Design Ratio | Hose Type |
|--------------|---|
| 2:1 | Hose for the delivery of cement, concrete, plaster and grout designed to ASME B30.27 |
| 3:1 | Water hose up to 1 MPa (150 psi) WP |
| 4:1 | Hose for all other liquids, solid materials suspended in liquids or air and water hose over 1 MPa (150 psi) WP Hose for compressed air and other gases |
| 5:1 | Hose for liquid media that immediately changes into gas under standard atmospheric conditions |
| 10:1 | Steam hose |

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Compliant with standards and accepted practices designed by industry experts for the sanitary design, fabrication, installation and cleanability of dairy and food equipment or systems used to handle, process and package consumable products where a high degree of sanitation is required to prevent contamination.



A classification society, with a mission to promote the security of life, property and the natural environment, primarily through the development and verification of standards for the design, construction and operational maintenance of marine-related facilities.



Non-profit organization that oversees the development of voluntary consensus standards for products, services, processes, systems and personnel in the U.S. They also coordinate U.S. standards with international standards so that American products can be used worldwide. ANSI accredits standards that are developed by representatives of other standards organizations, government agencies, consumer groups, companies and others. These standards ensure that the characteristics and performance of products are consistent, that people use the same definitions and terms, and that products are tested the same way.



The largest U.S. trade association for the oil and natural gas industry. Functions on behalf of the industry in the establishment and certification of industry standards.



Its core mission has been designed to provide waste reduction, benchmarking, networking, international management of product standards and educational opportunities to its member executives.



ASME is one of the oldest standards-developing organizations in America. It produces approximately 600 codes and standards covering many technical areas, such as fasteners, plumbing fixtures, elevators, pipelines and power plant systems and components. ASME standards are developed by committees of subject matter experts using an open, consensus-based process. Many ASME standards are cited by government agencies as tools to meet their regulatory objectives. ASME standards are therefore voluntary unless the standards have been incorporated into a legally binding business contract or incorporated into regulations enforced by an authority having jurisdiction, such as a federal, state or local government agency. ASME's standards are used in more than 100 countries.



An international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems and services. Some 12,575 ASTM voluntary consensus standards operate globally.



The German Federal Institute for Risk Assessment approved list of natural and synthetic rubbers and their requirements to be used in food commodities.

General Information

Standards Certifications (continued)



Standards produced by the BSI Group which is incorporated under a Royal Charter. The BSI Group produces British Standards under the authority of the Charter, which lays down as one of the BSI's objectives to set up standards of quality for goods and services, and prepare and promote the general adoption of British Standards and schedules in connection therewith and from time to time to revise, alter and amend such standards and schedules as experience and circumstances require.



An international certification agency. In addition to certifications, they provide health, safety and environmental (HSI) expertise.



Meets the standard set by California Air Resource Board for low permeation performance and is compatible with the Assist Phase II EVR Systems.



CE marking indicates that the manufacturer or importer claims compliance with the relevant EU legislation applicable to a product, regardless of where it's manufactured. By affixing the CE marking on a product, a manufacturer is declaring, as its sole responsibility, conformity with all of the legal requirements to achieve CE marking which allows free movement and sale of the product throughout the European Economic Area.



Compressed Gas Association is an ANSI-accredited standards developing organization working directly with federal, state and provincial agencies to promote safe and responsible practices and regulations. They establish safety standards, safety information and warnings about the chemical or physical properties of gases and their containers.



CSA is authorized by the Canadian government to approve and certify electrical products in accordance with the "Canadian Electrical Code." CSA listed product means a product has been tested and meets applicable standards for safety and/or performance, including the applicable standards written or administered by the American National Standards Institute (ANSI), Underwriters Laboratories (UL), Canadian Standards Association (CSA), NSF International (NSF) and others.



Standard requirements cover hose and hose assemblies, including vapor recovery hose and assemblies, for use on dispensing devices for flammable liquids. A flammable liquid (gasoline and diesel) hose assembly consists of flexible hose and fittings suitable for attachment to flammable liquid dispensing equipment. The term "gasoline" includes gasoline with small amounts of additives such as detergents, solvents for detergents, anti-icing chemicals and gasoline with up to 15 percent ethanol. Meets Canadian safety requirements for electrical code.



An international accredited registrar and classification society providing services for several industries including maritime, renewable energy, oil & gas, electrification, food & beverage and healthcare. It is also the largest technical consultancy and supervisory to the global renewable energy (particularly wind, wave, tidal and solar) and oil & gas industry—65% of the world's offshore pipelines are designed and installed to DNV GL's technical standards.

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An agency of the federal government of the United States which was created for the purpose of protecting human health and the environment by writing and enforcing regulations based on laws passed by Congress. It has the responsibility of maintaining and enforcing national standards under a variety of environmental laws, in consultation with state, tribal and local governments. It delegates some permitting, monitoring and enforcement responsibility to U.S. states and the federally recognized tribes.



Hose composition consists of Food & Drug Administration approved materials for use in the direct contact of food products.



The International Organization for Standardization is an independent, non-government organization made up of the standards organizations of 163 member countries. It is the world's largest developer of voluntary international standards and facilitates world trade by providing common standards between nations. Over twenty thousand standards have been set covering everything from manufactured products and technology to food safety, agriculture and healthcare. Use of the standards aids in the creation of products and services that are safe, reliable and of good quality. The standards help businesses increase productivity while minimizing errors and waste. By enabling products from different markets to be directly compared, they facilitate companies in entering new markets and assist in the development of global trade on a fair basis. The standards also serve to safeguard consumers and the end-users of products and services, ensuring that certified products conform to the minimum standards set internationally.



A technical and business services organization and a maritime classification society dedicated to research and education in the science of engineering. They look to enhance the safety of life, property and the environment by helping clients to ensure the quality construction and operation of critical infrastructure.



Product meets the guidelines set by the Mine Safety and Health Administration to ensure the safety and health of users while using products in a mining application.



Professional organization for the corrosion industry publishing standard practice, test method and material requirements standards for use by industry and other corrosion societies.



Promotes high professional business and product standards and ethical conduct in dealing with customers, suppliers and competitors. Includes companies, worldwide, engages in the distribution and manufacture of all types of hose, tubing, couplings, fittings, clamps and related accessories serving the industrial marketplace.



American industry trade association serving as a forum where all fluid power channel partners work together to advance fluid power technology, strengthen the fluid power industry and foster members' success.

General Information

Standards Certifications (continued)



If you manufacture, sell or distribute water treatment or distribution products in North America, your products are required to comply with NSF/ANSI 61: Drinking Water System Components – Health Effects by most governmental agencies that regulate drinking water supplies.



Voluntary association of oil companies that have an interest in the shipment and terminalling of crude oil and oil products. Their mission is to be the foremost authority on the safe and environmentally responsible operation of oil tankers and terminals, promoting continuous improvement in standards of design and operation.



Leading trade association for the United Kingdom's offshore oil and gas industry. They develop and deliver industry-wide initiatives and programs engaging with governments and other external organizations.



Ratings are determined on two factors, permeability and fire resistance. Particularly with volatile gasoline, permeability is a concern due to vapor buildup. This rating system is used exclusively for marine hose and it provides the following grades:
 A1—fuel feed hose; has a fire-resistant cover; is designed to have fuel in the hose at all times. Least permeable with highest fire resistance.
 A2—fuel vent hose; has a fire resistant cover; is not designed to have fuel in the hose at all times.
 B1—fuel feed hose; without fire resistant cover; is designed to have fuel in the hose at all times; intended for non-enclosed spaces. Diesel engines or above deck outboard gasoline applications.
 B2—fuel vent hose; without fire-resistant cover; is not designed to have fuel in the hose at all times. Diesel vent lines.



UL are the leading organization for “electrical safety” in the U.S., an important member of all boards of the “National Electrical Code” and substantially involved in harmonizing international IEC standards. The UL listed products means that the UL has tested and evaluated representative samples of that product and determined that they meet UL requirements.



Follows federal regulations for marine components safety requirements.



Hose meets the guidelines set by the U.S. Department of Agriculture to convey food products safely by being FDA certified.



A federal Cabinet department of the U.S. government concerned with transportation. Its mission is to serve the United States by ensuring a fast, safe, efficient, accessible and convenient transportation system that meets the vital national interests and enhances the quality of life of the American people, today and into the future.



Hose meets the guidelines set by U.S. Pharmacopeial Convention to maintain the purity and quality of product being conveyed.

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Hose Testing Methods

Reprinted from ARPM hose handbook IP-2-2015

Safety Warning

Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in damage to property and/or serious bodily injury.

The Association for Rubber Products Manufacturers (ARPM) recognizes, accepts and recommends the testing methods of the American Society for Testing and Materials (ASTM).

Unless otherwise specified, all hose tests are to be conducted in accordance with ASTM Method No. D-380 (latest revision). Where an ASTM D-380 test is not available, another test method should be selected and described in detail.

ARPM participates with ASTM under the auspices of the American National Standards Institute (ANSI) in Technical Committee 45 (TC45) of The International Organization for Standardization (ISO) in developing both hose product and hose test method standards. Many of the hose test method standards published by ISO duplicate or closely parallel those shown in ASTM D-380. Many are unique and, in those cases, the ARPM may be able to provide the necessary test standard references which may be purchased from the ANSI.

Hydrostatic Pressure Tests

Hydrostatic pressure tests are classified as follows:

1. Destructive Type

- a. Burst test
- b. Hold test

Destructive Tests

Destructive tests are conducted on short specimens of hose, normally 18 inches (460 mm) to 36 inches (915 mm) in length—and, as the name implies, the hose is destroyed in the performance of the test.

- a. Burst pressure is recorded as the pressure at which actual rupture of a hose occurs.
- b. A hold test, when required, is a means of determining whether weakness will develop under a given pressure for a specified period of time.

2. Non-Destructive Type

- | | | | |
|--|---|---------------|------------------------------|
| a. Proof pressure test | c. Change in outside diameter or circumference test | e. Rise test | h. Volumetric expansion test |
| b. Change in length test (elongation or contraction) | d. Warp test | f. Twist test | |
| | | g. Kink test | |

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Hose Testing Methods Hydrostatic Pressure Tests (continued)

Non-Destructive Tests

Non-destructive tests are conducted on a full length of a hose or hose assembly. These tests are for the purpose of eliminating hose with defects which cannot be seen by visual examination or in order to determine certain characteristics of the hose while it is under internal pressure.

- a. A proof pressure test** is normally applied to hose for a specified period of time. On new hose, the proof pressure is usually 50% of the minimum specified burst except for woven jacket fire hose where the proof pressure is twice the service test pressure marked on the hose (67% of specified minimum burst). Hydrostatic tests performed on fire hose in service should be no higher than the service test pressure referred to above. The regulation of these pressures is extremely important so that no deteriorating stresses will be applied, thus weakening a normal hose.
- b.** With some type of hose, it is useful to know how a hose will act under pressure. All change in length tests, except when performed on wire braid or wire spiraled hose, are made with original length measurements taken under a pressure of 10 psi (0.069 MPa). The specified pressure, which is normally the proof pressure, is applied and immediate measurement of the characteristics desired are taken and recorded.
Percent length change (elongation or contraction) is the difference between the length at 10 psi (0.069 MPa) (except wire braided or wire spiraled) and that of the proof pressure times 100 divided by the length at 10 psi (0.069 MPa). Elongation occurs if the length of the hose under the proof pressure is greater than at a pressure of 10 psi (0.069 MPa). Contraction occurs if the length at the proof pressure is less than at 10 psi (0.069 MPa). In testing wire braided or spiraled hose, the proof pressure is applied and the length recorded. The pressure is then released and, at the end of 30 seconds, the length is measured; the measurement obtained is termed the "original length."
- c. Percent change in outside diameter or circumference** is the difference between the outside diameter or circumference at 10 psi (0.069 MPa) and that obtained under the proof pressure times 100 divided by the outside diameter or circumference at 10 psi (0.069 MPa). Expansion occurs if the measurement at the proof pressure is greater than at 10 psi (0.069 MPa). Contraction occurs if the measurement at the proof pressure is less than at 10 psi (0.069 MPa).
- d. Warp** is the deviation from a straight line drawn from fitting to fitting; the maximum deviation from this line is warp. First, a measurement is taken at 10 psi (0.069 MPa) and then again at the proof pressure. The difference between the two, in inches, is the warp. Normally this is a feature measured on woven jacket fire hose only.
- e. Rise** is a measure of the height a hose rises from the surface of the test table while under pressure. The difference between the rise at 10 psi (0.069 MPa) and at the proof pressure is reported to the nearest 0.25 inch (6.4 mm). Normally, this is a feature measured on woven jacket fire hose only.
- f. Twist** is a rotation of the free end of the hose while under pressure. A first reading is taken at 10 psi (0.069 MPa) and a second reading at proof pressure. The difference, in degrees, between the 10 psi (0.069 MPa) base and that at the proof pressure is the twist. Twist is reported as right twist (to tighten couplings) or left twist. Standing at the pressure inlet and looking toward the free end of a hose, a clockwise turning is "right twist" and counterclockwise is "left twist."
- g. Kink test** is a measure of the ability of woven jacket hose to withstand a momentary pressure while the hose is bent back sharply on itself at a point approximately 18 inches (457 mm) from one end. The test is made at pressures ranging from 62% of the proof pressure on sizes 3 inches (76 mm) and 3.5 inches (89 mm) to 87% on sizes under 3 inches (76 mm). This is a test applied to woven jacket fire hose only.
- h. Volumetric expansion test** is applicable only to specific types of hose, such as hydraulic or power steering hose, and is a measure of its volumetric expansion under ranges of internal pressure.

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Electrical Resistance Tests for Hose and Hose Assemblies

1.0 Purpose

This procedure specifies methods for performing electrical resistance tests on rubber and/or plastic hose and hose assemblies.

2.0 Scope

These procedures are intended to test electrical conductive, antistatic and non-conductive (insulating) hoses, along with electrical continuity or discontinuity between fittings.

Warning

Hydraulic hoses used on power and telephone mobile equipment should be tested to SAE 100R8 requirements.

3.0 Definitions

- 3.1 Antistatic Hose - Antistatic hose constructions are those that are capable of dissipating the static electricity buildup that occurs during the high velocity flow of material through a hose.
- 3.2 Conductive Hose - Conductive hose constructions are those that are capable of conducting an electrical current.
- 3.3 Direct Current (DC): Flow of electrical current in one direction at a constant rate.
- 3.4 Electrical Conductivity: A measure of the ease with which a material is capable of conducting an electrical current.
Conductivity = 1/Resistance.
- 3.5 Electrical Resistance: Property of an object to resist or oppose the flow of an electrical current.
- 3.6 Non-Conductive (Insulating) Hose: Non-conductive hose constructions are those that resist the flow of electrical current.
- 3.7 Ohm's Law: The electrical current, "I," is equal to the applied voltage, "V," divided by the resistance, "R." In practical terms, the higher the electrical resistance at a constant voltage, the lower the electrical current flow through an object.
- 3.8 Ohm: The amount of resistance that limits the passage of current to one ampere when a voltage of one volt is applied to it.

4.0 Apparatus

- 4.1 Test Instruments: All test instruments should have a gauge reliability and reproducibility (R&R) of less than 30%. Some instruments made to measure high electrical resistance may have an internal protection circuit built-in, which will cause test errors in the less than one megohm range.

During the test, no more than 3 watts (W) should be dissipated in the specimen to prevent erroneous results due to effects of temperature. The power dissipated should be determined by the square of the open-circuit voltage divided by the measured resistance, see formula 1 (Power Dissipation).

$$1) \text{ Power Dissipation} = \frac{(\text{Voltage})^2}{\text{Resistance in ohms}}$$

To determine the electrical resistance of non-conductive hose, the test should be made with an instrument designed specifically for measuring insulation resistance, having a nominal open-circuit voltage of 500 volts DC, or with any other instrument known to give comparable results. For measuring electrical discontinuity, a 1,000 volt DC source may be used instead of a 500 volt DC source.

For hoses with a conductive tube or cover, the resistance values obtained may vary with the applied voltage, and errors may occur at low-test voltages. As a starting point, an ohmmeter (9-volt) can be used. For tests requiring measurement of electrical continuity between end fittings or through continuous internal or external bonded wires, the instrument used should be an ohmmeter (9-volt).

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Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

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Electrical Resistance Tests for Hose and Hose Assemblies (continued)

4.2 Electrodes and Contacts: When the test procedure calls for contact with the hose cover, electrodes should be formed around the outer circumference of the hose as bands 25 mm +2 mm, 0 mm (1" +1/16", 0") wide by applying silver lacquer/conductive liquid and metallic copper foil tape (i.e., 3M Scotch brand) as shown in Figure 6-1. When a conductive silver lacquer (i.e. Colloidal Silver Liquid is available from Ted Pella, Inc. catalog #16031) is used, the surface resistance between any two points on a sample of the dried film should not exceed 100 Ω . When a conductive liquid is used, the electrode contact area should be completely wetted and should remain so until the end of the test.

The conductive liquid should consist of:

- › Anhydrous polyethylene glycol of relative molecular mass 600: 800 parts by mass
- › Water: 200 parts by mass
- › Wetting agent: 1 part by mass
- › Potassium chloride: 10 parts by mass

When the test procedure calls for contact with the hose tube, it is preferable to use a copper plug of external diameter equal to or slightly greater than the hose ID or a steel hose stem, coated with the conducting liquid, and pushed 25 mm (1") into the hose. An alternative for 50 mm (2") and above hose would be to apply the conductive silver lacquer onto the hose ID, then insert the plug or hose stem. The electrical leads from the test instrument should be clean and they should make adequate contact with the metallic copper foil and/or copper plugs/hose stems.

5.0 Preparation and Cleaning for Test

The surfaces of the hose should be clean. If necessary, the hose surface may be cleaned by rubbing with Fuller's earth (magnesium aluminum silicate) and water, followed by a distilled water rinse, then allowing the hose to dry in a non-contaminating environment. Do not use organic materials that attack or swell the rubber, and do not buff or abrade the test surfaces.

The surface of the hose should not be deformed either during the application of the contacts or during the test. When using test pieces, the supports should be outside the test length. When using a long length of hose, the hose should be uncoiled and laid out straight on polyethylene or other suitable insulating material. Care should be taken to ensure that the hose is insulated from any electrical leakage path along the length of the hose.

6.0 Test Conditions

For lab testing, the hose or hose assemblies should be conditioned for at least 16 hours at +23° C \pm 2°C (73.4°F \pm 3.6°F) with a relative humidity not to exceed 70%. However, it is permissible, by agreement between the supplier and the customer, to use the conditions prevailing in the factory, warehouse or laboratory, provided that the relative humidity does not exceed 70%.

7.0 Test Pieces

Prepare three test pieces approximately 300 mm (12") long from samples taken at random from a production run or lot. Condition the test pieces per section 6.0.

Place the test piece on blocks of polyethylene, or other insulating material, to provide a resistance of greater than 100 Ω between the test piece and the surface on which the blocks are supported. Ensure that the leads from the instrument do not touch each other, the hose or any part except the terminal to which each is connected.

Avoid breathing on the test surfaces and thus creating condensation that may lead to inaccuracies.

8.0 Procedure for hose with conducting tube

Apply the electrodes as specified to the inside surface of the hose at each end of the hose. The edge of the electrode plug should be coincident with the end of the hose. When using a conductive liquid, care should be taken to avoid creating a leakage path between the tube and the reinforcement or cover of the hose.

Apply the metal contacts to the electrodes.

Apply the test voltage (9-V) and measure the resistance 5 seconds \pm 1 second after the voltage is applied.

Note: In previous editions of the Hose Handbook, this method was referred to as the Plug Method.

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General Information

Electrical Resistance Tests for Hose and Hose Assemblies (continued)

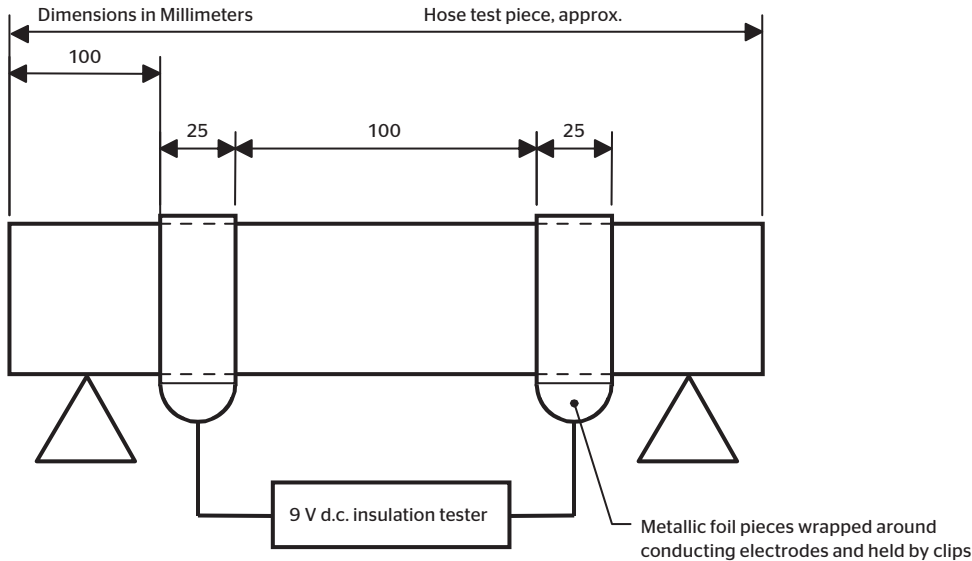


Figure 6-1 - Electrodes and contacts for testing hose

9.0 Procedure for hose with conducting cover

Apply the electrodes as specified to the outer circumference of the hose at each hose end. See Figure 6-1.

Ensure that contact is maintained with the electrodes around the circumference and that the contact pieces are sufficiently long enough for the two free ends to be held securely by a tensioning clip (see Figure 6-1) such that the fit of the electrodes is as tight as possible.

Apply the metal contacts.

Apply the test voltage (9-V) and measure the resistance 5 seconds \pm 1 second after the voltage is applied.

10.0 Procedure for hose with conducting or non-conducting compounds throughout

Apply the electrodes as specified on the inside surface at one end of the hose (end "A") and on the outside surface at the other end of the hose (end "B").

Apply the metal contacts to the electrodes.

Apply the test voltage (9-V for conductive compounds and 500-V for non-conductive compounds) and measure the resistance for 5 seconds + 1 second after the voltage is applied.

Alternative method for non-conductive hose - Nail or "Pot Room" Method.

Conduct this test as follows:

1. Cut sample hose, 24 inches long
2. Assure that both inside and outside of the hose are free of oil, dirt, etc.
3. Pierce sample ends with clean nails, as shown in Fig. 6-2.
4. Connect nails to 1000-V DC power source and megohm meter or 1000-V "megger" as shown in Fig. 6-2.
5. Record total resistance, in megohms.
6. Measure "test length" as shown in Fig. 6-2.
7. Divide total resistance by test length to get megohms per inch.

General Information

Electrical Resistance Tests for Hose and Hose Assemblies (continued)

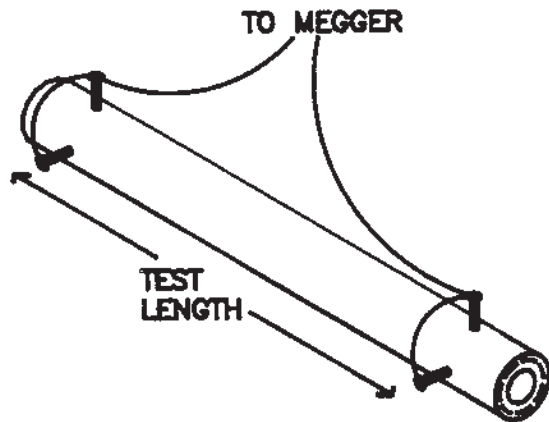


Figure 6-2 - Nail or "Pot Room" Test

11.0 Procedure for hose assemblies fitted with metal end fittings

When it is required that the resistance of a hose assembly be measured, the leads of the test instrument should be attached directly to the metal hose shank (threaded end connection, fixed flange, stub end of a floating flange, etc.) of the metal end fittings.

Some hose, especially thermoplastic hose, have conductive layers within the hose construction. These hose should be tested as assemblies made with fittings and assembly techniques specified by the hose and fitting manufacturer.

Apply the metal contacts to the metal end fittings.

Apply the test voltage (9V) and measure the resistance 5 seconds + 1 second after the voltage is applied.

12.0 Procedure for measurement of electrical continuity

In certain types of hose constructions, electrical continuity is provided between the end fittings by means of a continuous wire or wires bonded to each coupling. When the construction is such that there are internal and external wires, the electrical continuity of both wires should be established.

It is essential that contact resistance between the end fittings and the ohmmeter be minimized.

Apply the metal contacts to the metal end fittings.

Apply the test voltage (9-V) and measure the resistance for 5 seconds + 1 second after the voltage is applied.

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Dock
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General Information

Elastomers Used in the Manufacture of “Rubber Type” Products

| | ContiTech Tradename | Industry Designation | Outstanding Feature | Sample Hose |
|--|-------------------------------|---|---|--|
| Air & Multipurpose General Purpose Heavy Duty Push-on | Alphasyn | Modified Cross-Link Polyethylene (Mod XLPE) | Excellent high-temperature chemical resistance. | Tube compound in Viper chemical transfer hose. |
| Chemical Transfer | Carbryn | Carboxylated Nitrile | Excellent oil and abrasion resistance, good chemical resistance. | Cover compound on multipurpose hose: Gorilla and Ortac. On pressure washer hose: Galvanator and Gauntlet. |
| Cleaning Equipment | | | | Tube and cover compound in premium air and multipurpose hose, petroleum transfer hose: Gorilla, Ortac, Flexwing Petroleum. |
| Food Dry Transfer Liquid Transfer Washdown | Nitrile | Nitrile or Buna-N | Oil, solvent and aromatics resistance. | |
| Marine | Chemivic | Nitrile | Oil- and abrasion-resistant compound. Excellent ozone resistance. | Cover compound air/mp hose. Tube compound in food hose: White Flexwing. |
| Material Handling Abrasives Bulk Transfer Cement & Concrete | Chemrin | Chlorinated Polyethylene (CPE) | Excellent chemical resistance. | Tube compound in chemical hose: Brown Flexwing. |
| | Chlorobutyl | Chlorobutyl | FDA compliant material in food hose. Excellent heat resistance. | Tube compound in food hose and Flexsteel 250 CB Steam Hose. |
| Mining | Flosyn | Viton | Excellent oil and chemical resistance. | Tube compound in Orange Flexwing chemical hose. |
| Petroleum Aircraft Fueling Dispensing Dock Rig Supply Transfer Discharge Transfer S&D | Chlorosulfonated Polyethylene | Chlorosulfonated Polyethylene | Chemical-and oil-resistant. | Tube compound in chemical transfer hose: Yellow Flexwing. |
| | Nylon | Nylon | Resistant to many paint sprays, lacquers, thinners, and mild chemicals. | Tube compound in NR Paint Spray. |
| | Omeegasyn | EPDM (abrasion-resistant) | Excellent abrasion resistance. Mild chemical resistance. | Cover compound: Viper. |
| Specialty | SBR | SBR | Good abrasion resistance. | Tube and cover compound in water suction and discharge hose: Plicord Water S&D. |
| Steam | Pyrosyn | EPDM | Heat-resistant. | Tube compound in Flexsteel 250 Steam and Whitewater, Cover on Flexsteel 250 Steam and Flexsteel 250 CB Steam. |
| Vacuum | | | | |
| Water Discharge Suction & Discharge Washdown Garden | | | | |
| Welding | | | | |
| Coupling Systems | | | | |
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General Information

Elastomers Used in the Manufacture of "Rubber Type" Products

| ContiTech Tradename | Industry Designation | Outstanding Feature | Sample Hose |
|------------------------|--|---|---|
| Pliosyn | Ultra-High Molecular Weight Polyethylene | Excellent chemical resistance. Good flexibility properties. | Tube compound in Fabchem chemical hose. |
| Pliovic | Polyvinyl Chloride | Lightweight, flexible and economical. | Pliovic 250, Spiraflex 1600. |
| Pureten | Natural Rubber | Excellent abrasion resistance, resilient, tensile strength and, retains flexibility below 0°F (-18°C) (poor ozone). | Tube compound in material handling hose: Blucor, Harvest and Tan Flexwing. |
| Speclar | Cross-Link Polyethylene | Excellent chemical resistance. | Tube compound in Blue Flexwing chemical hose. |
| Spirathane | Urethane | Excellent abrasion resistance and good chemical resistance. | Spirathane LD and inner liner of Spirathane HD. |
| Teflon | Fluorinated Propylene or Teflon | Excellent chemical and petroleum resistance. | Tube compound in Hi-Per Teflon Hose. |
| TPE | Thermoplastic Elastomer | Heat- and/or cold-resistant, flexible and resistant to solvents. | Premier. |
| Chemituf Polybutadiene | Polybutadiene Blend | Good tensile strength, high elongation, abrasion resistance, nonstatic properties. | Tube compound in Plicord Blast, Plicord Dredge Sleeve, Sand Suction |
| EPDM | EPDM | Heat- and/or cold-resistant, weather- and ozone-resistant, mild chemical resistance. | Tube and cover compound in multipurpose hose: Frontier. Cover compound on chemical hose: Fabchem. |
| Weatherex | Butyl | Low permeability to air and gas; outstanding dampening and shock absorption. | Tube compound in chemical transfer hose: Yellow Flexwing. |
| Wingprene | Polychloroprene | All purpose elastomer; good oil, heat and chemical resistance; very good ozone resistance. | Cover compound in petroleum transfer hose: Super Black Flexwing and Red Flextra. |

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Temperature Conversion

Locate temperature in middle column. If in °C, read °F equivalent in right-hand column; if in °F, read °C in left-hand column.

| | -459° to 0° | | | 1° to 60° | | | 61° to 290° | | | 300° to 890° | | | 900° to 3000° | | |
|--------------------------|-------------|--------|--------|-----------|----|-------|-------------|-----|-------|--------------|-----|------|---------------|------|------|
| | C | CF | F | C | CF | F | C | CF | F | C | CF | F | C | CF | F |
| Chemical Transfer | | | | | | | | | | | | | | | |
| Cleaning Equipment | 273 | -459.4 | | -17.2 | 1 | 33.8 | 16.1 | 61 | 141.8 | 149 | 300 | 572 | 482 | 900 | 1652 |
| | 268 | -450 | | -16.7 | 2 | 35.6 | 16.7 | 62 | 143.6 | 154 | 310 | 590 | 488 | 910 | 1670 |
| | 262 | -440 | | -16.1 | 3 | 37.4 | 17.2 | 63 | 145.4 | 160 | 320 | 608 | 493 | 920 | 1688 |
| Food | 257 | -430 | | -15.6 | 4 | 39.2 | 17.8 | 64 | 147.2 | 166 | 330 | 626 | 499 | 930 | 1706 |
| Dry Transfer | | | | | | | | | | | | | | | |
| Liquid Transfer | 251 | -420 | | -15.0 | 5 | 41.0 | 18.3 | 65 | 149.0 | 171 | 340 | 644 | 504 | 940 | 1724 |
| Washdown | 246 | -410 | | -14.4 | 6 | 42.8 | 18.9 | 66 | 150.8 | 177 | 350 | 662 | 510 | 950 | 1742 |
| | 240 | -400 | | -13.9 | 7 | 44.6 | 19.4 | 67 | 152.6 | 182 | 360 | 680 | 516 | 960 | 1760 |
| | 234 | -390 | | -13.3 | 8 | 46.4 | 20.0 | 68 | 154.4 | 188 | 370 | 698 | 521 | 970 | 1778 |
| Marine | 229 | -380 | | -12.8 | 9 | 48.2 | 20.6 | 69 | 156.2 | 193 | 380 | 716 | 527 | 980 | 1796 |
| | 223 | -370 | | -12.2 | 10 | 50.0 | 21.1 | 70 | 158.0 | 199 | 390 | 734 | 532 | 990 | 1814 |
| | 218 | -360 | | -11.7 | 11 | 51.8 | 21.7 | 71 | 159.8 | 204 | 400 | 752 | 538 | 1000 | 1832 |
| Material Handling | 212 | -350 | | -11.1 | 12 | 53.6 | 22.2 | 72 | 161.6 | 210 | 410 | 770 | 549 | 1020 | 1868 |
| Abrasives | | | | | | | | | | | | | | | |
| Bulk Transfer | 207 | -340 | | -10.6 | 13 | 55.4 | 22.8 | 73 | 163.4 | 216 | 420 | 788 | 560 | 1040 | 1904 |
| Cement & Concrete | 201 | -330 | | -10.0 | 14 | 57.2 | 23.3 | 74 | 165.2 | 221 | 430 | 806 | 571 | 1060 | 1940 |
| | 196 | -320 | | -9.4 | 15 | 59.0 | 23.9 | 75 | 167.0 | 227 | 440 | 824 | 582 | 1080 | 1976 |
| | 190 | -310 | | -8.9 | 16 | 60.8 | 24.4 | 76 | 168.8 | 232 | 450 | 842 | 593 | 1100 | 2012 |
| Mining | 184 | -300 | | -8.3 | 17 | 62.6 | 25.0 | 77 | 170.6 | 238 | 460 | 860 | 604 | 1120 | 2048 |
| | 179 | -290 | | -7.8 | 18 | 64.4 | 25.6 | 78 | 172.4 | 243 | 470 | 878 | 616 | 1140 | 2084 |
| | 173 | -280 | | -7.2 | 19 | 66.2 | 26.1 | 79 | 174.2 | 249 | 480 | 896 | 627 | 1160 | 2120 |
| | 169 | -273 | -459.4 | -6.7 | 20 | 68.0 | 26.7 | 80 | 176.0 | 254 | 490 | 914 | 638 | 1180 | 2156 |
| Petroleum | 168 | -270 | -454 | -6.1 | 21 | 69.8 | 27.2 | 81 | 177.8 | 260 | 500 | 932 | 649 | 1200 | 2192 |
| Aircraft Fueling | 162 | -260 | -436 | -5.6 | 22 | 71.6 | 27.8 | 82 | 179.6 | 266 | 510 | 950 | 660 | 1220 | 2228 |
| Dispensing | 157 | -250 | -418 | -5.0 | 23 | 73.4 | 28.3 | 83 | 181.4 | 271 | 520 | 968 | 671 | 1240 | 2264 |
| Dock | 151 | -240 | -400 | -4.4 | 24 | 75.2 | 28.9 | 84 | 183.2 | 277 | 530 | 986 | 682 | 1260 | 2300 |
| Rig Supply | 146 | -230 | -382 | -3.9 | 25 | 77.0 | 29.4 | 85 | 185.0 | 282 | 540 | 1004 | 693 | 1280 | 2336 |
| Transfer Discharge | 140 | -220 | -364 | -3.3 | 26 | 78.8 | 30.0 | 86 | 186.8 | 288 | 550 | 1022 | 704 | 1300 | 2372 |
| Transfer S&D | 134 | -210 | -346 | -2.8 | 27 | 80.6 | 30.6 | 87 | 188.6 | 293 | 560 | 1040 | 716 | 1320 | 2408 |
| | 129 | -200 | -328 | -2.2 | 28 | 82.4 | 31.1 | 88 | 190.4 | 299 | 570 | 1058 | 727 | 1340 | 2444 |
| Specialty | 123 | -190 | -310 | -1.7 | 29 | 84.2 | 31.7 | 89 | 192.2 | 304 | 580 | 1076 | 738 | 1360 | 2480 |
| | 118 | -180 | -292 | -1.1 | 30 | 86.0 | 32.2 | 90 | 194.0 | 310 | 590 | 1094 | 750 | 1380 | 2516 |
| | 112 | -170 | -274 | -0.6 | 31 | 87.8 | 32.8 | 91 | 195.8 | 316 | 600 | 1112 | 761 | 1400 | 2552 |
| | 107 | -160 | -256 | 0.0 | 32 | 89.6 | 33.3 | 92 | 197.6 | 321 | 610 | 1130 | 771 | 1420 | 2588 |
| Steam | 101 | -150 | -238 | 0.6 | 33 | 91.4 | 33.9 | 93 | 199.4 | 327 | 620 | 1148 | 782 | 1440 | 2624 |
| | 96 | -140 | -220 | 1.1 | 34 | 93.2 | 34.4 | 94 | 201.2 | 332 | 630 | 1166 | 792 | 1460 | 2660 |
| Vacuum | 90 | -130 | -202 | 1.7 | 35 | 95.0 | 35.0 | 95 | 203.0 | 338 | 640 | 1184 | 802 | 1480 | 2696 |
| | 84 | -120 | -184 | 2.2 | 36 | 96.8 | 35.6 | 96 | 204.8 | 343 | 650 | 1202 | 812 | 1500 | 2732 |
| Water | 79 | -110 | -166 | 2.8 | 37 | 98.6 | 36.1 | 97 | 206.6 | 349 | 660 | 1220 | 822 | 1520 | 2768 |
| Discharge | 73 | -100 | -148 | 3.3 | 38 | 100.4 | 36.7 | 98 | 208.4 | 354 | 670 | 1238 | 832 | 1540 | 2804 |
| Suction & Discharge | 68 | -90 | -130 | 3.9 | 39 | 102.2 | 37.2 | 99 | 210.2 | 360 | 680 | 1256 | 842 | 1560 | 2840 |
| | 62 | -80 | -112 | 4.4 | 40 | 104.0 | 37.8 | 100 | 212.0 | 366 | 690 | 1274 | 852 | 1580 | 2876 |
| Washdown | 57 | -70 | -94 | 5.0 | 41 | 105.8 | 43 | 110 | 230 | 371 | 700 | 1292 | 862 | 1600 | 2912 |
| Garden | 51 | -60 | -76 | 5.6 | 42 | 107.6 | 49 | 120 | 248 | 377 | 710 | 1310 | 872 | 1620 | 2948 |
| | 46 | -50 | -58 | 6.1 | 43 | 109.4 | 54 | 130 | 266 | 382 | 720 | 1328 | 882 | 1640 | 2984 |
| | 40 | -40 | -40 | 6.7 | 44 | 111.2 | 60 | 140 | 284 | 388 | 730 | 1346 | 892 | 1660 | 3020 |
| Welding | 34 | -30 | -22 | 7.2 | 45 | 113.0 | 66 | 150 | 302 | 393 | 740 | 1364 | 902 | 1680 | 3056 |
| | 29 | -20 | -4 | 7.8 | 46 | 114.8 | 71 | 160 | 320 | 399 | 750 | 1382 | 912 | 1700 | 3092 |
| | 23 | -10 | 14 | 8.3 | 47 | 116.6 | 77 | 170 | 338 | 404 | 760 | 1400 | 922 | 1720 | 3128 |
| Coupling Systems | 17.8 | 0 | 32 | 8.9 | 48 | 118.4 | 82 | 180 | 356 | 410 | 770 | 1418 | 932 | 1740 | 3164 |
| | | | | 9.4 | 49 | 120.2 | 88 | 190 | 374 | 416 | 780 | 1436 | 942 | 1760 | 3200 |
| | | | | 10.0 | 50 | 122.0 | 93 | 200 | 392 | 421 | 790 | 1454 | 952 | 1780 | 3236 |
| Equipment | | | | 10.6 | 51 | 123.8 | 99 | 210 | 410 | 427 | 800 | 1472 | 962 | 1800 | 3272 |
| | | | | 11.1 | 52 | 125.6 | 100 | 212 | 413.6 | 432 | 810 | 1490 | 972 | 1820 | 3308 |
| | | | | 11.7 | 53 | 127.4 | 104 | 220 | 428 | 438 | 820 | 1508 | 982 | 1840 | 3344 |
| | | | | 12.2 | 54 | 129.2 | 110 | 230 | 446 | 443 | 830 | 1526 | 992 | 1860 | 3380 |
| | | | | 12.8 | 55 | 131.0 | 116 | 240 | 464 | 449 | 840 | 1544 | 1002 | 1880 | 3416 |
| | | | | 13.3 | 56 | 132.8 | 121 | 250 | 482 | 454 | 850 | 1562 | 1012 | 1900 | 3452 |
| | | | | 13.9 | 57 | 134.6 | 127 | 260 | 500 | 460 | 860 | 1580 | 1022 | 1920 | 3488 |
| | | | | 14.4 | 58 | 136.4 | 132 | 270 | 518 | 466 | 870 | 1598 | 1032 | 1940 | 3524 |
| | | | | 15.0 | 59 | 138.2 | 138 | 280 | 536 | 471 | 880 | 1616 | 1042 | 1960 | 3560 |
| | | | | 15.6 | 60 | 140.0 | 143 | 290 | 554 | 477 | 890 | 1634 | 1052 | 1980 | 3596 |

General Information

Useful Conversion Charts

Decimal and Millimeter Equivalents of Fractions (Inches)

| Fractions | Decimals | Millimeters | Fractions | Decimals | Millimeters |
|-----------|----------|-------------|-----------|----------|-------------|
| 1/64 | .015625 | .397 | 33/64 | .515625 | 13.097 |
| 1/32 | .03125 | .794 | 17/32 | .53125 | 13.494 |
| 3/64 | .046875 | 1.191 | 35/64 | .546875 | 13.891 |
| 1/16 | .0625 | 1.588 | 9/16 | .5625 | 14.288 |
| 5/64 | .078125 | 1.984 | 37/64 | .578125 | 14.684 |
| 3/32 | .09375 | 2.381 | 19/32 | .59375 | 15.081 |
| 7/64 | .109375 | 2.778 | 39/64 | .609375 | 15.478 |
| 1/8 | .125 | 3.175 | 5/8 | .625 | 15.875 |
| 9/64 | .140625 | 3.572 | 41/64 | .640625 | 16.272 |
| 5/32 | .15625 | 3.969 | 21/32 | .65625 | 16.669 |
| 11/64 | .171875 | 4.366 | 43/64 | .671875 | 17.066 |
| 3/16 | .1875 | 4.763 | 11/16 | .6875 | 17.463 |
| 13/64 | .203125 | 5.159 | 45/64 | .703125 | 17.859 |
| 7/32 | .21875 | 5.556 | 23/32 | .71875 | 18.256 |
| 15/64 | .234375 | 5.953 | 47/64 | .734375 | 18.653 |
| 1/4 | .250 | 6.350 | 3/4 | .750 | 19.050 |
| 17/64 | .265625 | 6.747 | 49/64 | .765625 | 19.447 |
| 9/32 | .28125 | 7.144 | 25/32 | .78125 | 19.844 |
| 19/64 | .296875 | 7.541 | 51/64 | .796875 | 20.241 |
| 5/16 | .3125 | 7.938 | 13/16 | .8125 | 20.638 |
| 21/64 | .328125 | 8.334 | 53/64 | .828125 | 21.034 |
| 11/32 | .34375 | 8.731 | 27/32 | .84375 | 21.431 |
| 23/64 | .359375 | 9.128 | 55/64 | .859375 | 21.828 |
| 3/8 | .375 | 9.525 | 7/8 | .875 | 22.225 |
| 25/64 | .390625 | 9.922 | 57/64 | .890625 | 22.622 |
| 13/32 | .40625 | 10.319 | 29/32 | .90625 | 23.019 |
| 27/64 | .421875 | 10.716 | 59/64 | .921875 | 23.416 |
| 7/16 | .4375 | 11.113 | 15/16 | .9375 | 23.813 |
| 29/64 | .453125 | 11.509 | 61/64 | .953125 | 24.209 |
| 15/32 | .46875 | 11.906 | 31/32 | .96875 | 24.606 |
| 31/64 | .484375 | 12.303 | 63/64 | .984375 | 25.003 |
| 1/2 | .500 | 12.700 | 1 | 1.000 | 25.400 |

Pressure Conversion (feet of water to pounds per square inch)

Based on formula (psi) = Pressure Head [Ft. of Water] x 0.433

| Pressure Head (Ft. of Water) | Pressure (psi) | Pressure Head (Ft. of Water) | Pressure (psi) | Pressure Head (Ft. of Water) | Pressure (psi) |
|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|
| 0 | 0 | 200 | 87 | 410 | 177 |
| 5 | 2.2 | 210 | 91 | 420 | 182 |
| 10 | 4.3 | 220 | 95 | 430 | 186 |
| 20 | 8.7 | 230 | 100 | 440 | 190 |
| 30 | 13 | 240 | 104 | 450 | 195 |
| 40 | 17 | 250 | 108 | 460 | 199 |
| 50 | 22 | 260 | 113 | 470 | 203 |
| 60 | 26 | 270 | 117 | 480 | 208 |
| 70 | 30 | 280 | 121 | 490 | 212 |
| 80 | 35 | 290 | 126 | 500 | 216 |
| 90 | 39 | 300 | 130 | 550 | 238 |
| 100 | 43 | 310 | 134 | 600 | 260 |
| 110 | 48 | 320 | 139 | 650 | 281 |
| 120 | 52 | 330 | 143 | 700 | 303 |
| 130 | 56 | 340 | 147 | 750 | 325 |
| 140 | 61 | 350 | 151 | 800 | 346 |
| 150 | 65 | 360 | 156 | 850 | 368 |
| 160 | 69 | 370 | 160 | 900 | 390 |
| 170 | 74 | 380 | 164 | 950 | 411 |
| 180 | 78 | 390 | 169 | 1000 | 433 |
| 190 | 82 | 400 | 173 | | |

Pressure Conversions

(feet of water to inches of mercury)

| Feet of Water | Inches of Mercury |
|---------------|-------------------|
| 1 | 0.9 |
| 2 | 1.8 |
| 4 | 3.5 |
| 6 | 5.3 |
| 8 | 7.1 |
| 10 | 8.8 |
| 12 | 10.6 |
| 14 | 12.4 |
| 16 | 14.1 |
| 18 | 15.9 |
| 20 | 17.7 |
| 22 | 19.4 |
| 24 | 21.2 |
| 26 | 23.0 |
| 28 | 24.8 |
| 30 | 26.5 |
| 32 | 28.3 |
| 34 | 30.0 |

Measures of Pressures

1 lb. per square inch
 = 144 lb. per square foot
 = 0.068 atmosphere
 = 2.042 inches of mercury at 62°F (17°C)
 = 2.31 feet of water at 62°F (17°C)

1 atmosphere
 = 30 inches of mercury at 62°F (17°C)
 = 14.7 lb. per square inch
 = 2116.3 lb. per square foot
 = 33.95 feet of water at 62°F (17°C)

1 foot of water at 62°F (17°C) =
 62.355 lb. per square foot
 = 0.433 lb. per square inch

1 inch of mercury at 62°F (17°C)
 = 1.132 feet of water
 = 13.58 inches of water
 = 0.491 lb. per square inch

Column of water 12 inches high with a 1 inch diameter = .341 lb.

Air & Multipurpose
 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

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 Dry Transfer
 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

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Appendix

General Information

Length Conversion Constants

| Metric to U.S. | U.S. to Metric |
|--------------------------------------|---------------------------------------|
| Millimeters x .039370 = inches | Inches x 25.4001 = millimeters |
| Meters x 39.370 = inches | Inches x .0254 = meters |
| Meters x 3.2808 = feet | Feet x .30480 = meters |
| Meters x 1.09361 = yards | Yards x .91440 = meters |
| Kilometers x 3,280.8 = feet | Feet x .0003048 = kilometers |
| Kilometers x .62137 = statute miles | Statute Miles x 1.60935 = kilometers |
| Kilometers x .53959 = nautical miles | Nautical Miles x 1.85325 = kilometers |

Weight Conversion Constants

| Metric to U.S. | U.S. to Metric |
|---|--|
| Grams x 981 = dynes | Dynes x .0010193 = grams |
| Grams x 15.432 = grains | Grains x .0648 = grams |
| Grams x .03527 = ounces (Avd.) | Ounces (Avd.) x 28.35 = grams |
| Grams x .033818 = fluid ounces (water) | Fluid Ounces (Water) x 29.57 = grams |
| Kilograms x 35.27 = ounces (Avd.) | Ounces (Avd.) x .02835 = kilograms |
| Kilograms x 2.20462 = pounds (Avd.) | Pounds (Avd.) x .45359 = kilograms |
| Metric tons (1000 Kg) x 1.10231 = net ton (2000 lb.) | Net ton (2000 lb.) x .90719 = metric tons (1000 Kg) |
| Metric tons (1000 Kg) x .98421 = gross ton (2240 lb.) | Gross ton (2240 lbs.) x 1.101605 = metric tons (1000 Kg) |

Area Conversion Constants

| Metric to U.S. | U.S. to Metric |
|---|--|
| Square millimeters x .00155 = square inches | Square inches x 645.163 = square millimeters |
| Square centimeters x .155 = square inches | Square inches x 6.45163 = square centimeters |
| Square meters x 10.76387 = square feet | Square feet x .0929 = square meters |
| Square meters x 1.19599 = square yards | Square yards x .83613 = square meters |
| Hectares x 2.47104 = acres | Acres x .40469 = hectares |
| Square kilometers x 247.104 = acres | Acres x .0040469 = square kilometers |
| Square kilometers x .3861 = square miles | Square miles x 2.5899 = square kilometers |

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General Information

Properties of Saturated Steam

The steam pressure is important because it determines the minimum temperature condition under which the hose will be used. The operating temperature is a very important factor in selecting a steam hose as a relatively small increase in temperature can greatly reduce the hose life.

Pressure-Temperature Equivalents of Saturated Steam

| Lb. per sq. in. Pressure | Temperature | | Lb. per sq. in. Pressure | Temperature | |
|--------------------------|-------------|-------|--------------------------|-------------|-------|
| | °F | °C | | °F | °C |
| 0 | 212.0 | 100.0 | 110 | 344.1 | 173.4 |
| 5 | 227.1 | 108.4 | 115 | 347.2 | 175.1 |
| 10 | 239.4 | 115.2 | 120 | 350.1 | 175.7 |
| 15 | 249.8 | 121.0 | 125 | 352.9 | 178.3 |
| 20 | 258.8 | 126.0 | 130 | 355.6 | 179.8 |
| 22 | 261.2 | 127.8 | 135 | 358.3 | 181.3 |
| 24 | 265.3 | 129.6 | 140 | 360.9 | 182.7 |
| 26 | 268.3 | 131.3 | 145 | 363.4 | 184.1 |
| 28 | 271.2 | 132.9 | 150 | 365.9 | 185.5 |
| 30 | 274.1 | 134.5 | 155 | 368.2 | 186.8 |
| 32 | 276.8 | 136.0 | 160 | 370.6 | 188.1 |
| 34 | 279.3 | 137.4 | 165 | 373.9 | 189.4 |
| 36 | 281.8 | 138.8 | 170 | 375.3 | 190.7 |
| 38 | 284.4 | 140.2 | 175 | 377.4 | 191.9 |
| 40 | 286.7 | 141.5 | 180 | 379.6 | 193.1 |
| 42 | 289.0 | 142.8 | 185 | 381.7 | 194.3 |
| 44 | 291.2 | 144.0 | 190 | 383.7 | 195.4 |
| 46 | 293.5 | 145.3 | 195 | 385.9 | 196.6 |
| 48 | 295.5 | 146.4 | 200 | 387.9 | 197.7 |
| 50 | 294.7 | 147.6 | 205 | 398.8 | 198.8 |
| 52 | 299.9 | 148.7 | 210 | 391.6 | 199.8 |
| 54 | 301.6 | 149.8 | 215 | 392.9 | 200.5 |
| 56 | 303.6 | 150.9 | 220 | 395.4 | 201.7 |
| 58 | 308.4 | 151.9 | 225 | 397.2 | 202.9 |
| 60 | 307.4 | 153.0 | 230 | 399.0 | 203.9 |
| 62 | 309.2 | 154.0 | 235 | 400.7 | 204.8 |
| 64 | 310.8 | 154.9 | 240 | 402.5 | 205.8 |
| 66 | 312.6 | 155.9 | 245 | 404.2 | 206.8 |
| 68 | 314.2 | 156.8 | 250 | 406.1 | 207.8 |
| 70 | 316.0 | 157.0 | 255 | 407.7 | 208.7 |
| 72 | 317.7 | 158.7 | 260 | 409.4 | 209.7 |
| 74 | 319.3 | 159.6 | 265 | 411.0 | 210.6 |
| 76 | 320.9 | 160.5 | 270 | 412.6 | 211.4 |
| 78 | 322.3 | 161.3 | 275 | 414.2 | 202.3 |
| 80 | 323.8 | 162.1 | 280 | 415.7 | 213.2 |
| 85 | 327.6 | 164.2 | 300 | 421.0 | 216.1 |
| 90 | 331.2 | 166.2 | 350 | 436.5 | 224.7 |
| 95 | 334.6 | 168.1 | | | |
| 100 | 337.8 | 169.9 | | | |
| 105 | 341.1 | 171.7 | | | |

Air & Multipurpose
 General Purpose
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 Push-on

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General Information

Flow Data

This table may be used to determine the pressure loss in hose connected to rock drills and pneumatic tools. It is accurate for hose with smooth inside lining. Hose with rough inside lining may have a friction loss of as much as 50% greater than the figures given in the table.

Air Flow Pressure Loss - Pulsating flow

| Size of Hose | Gauge Pressure at Line | Cubic feet free air per minute passing through 50 foot lengths of hose Loss of pressure in pounds per square inch - 50 foot hose length | | | | | | | | | | | | | | |
|---|---|--|-----|------|------|------|------|------|------|------|------|-----|------|------|-----|------|
| | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | |
| Food Dry Transfer Liquid Transfer Washdown | 50 | 1.8 | 5.0 | 10.1 | 18.1 | | | | | | | | | | | |
| | 60 | 1.3 | 4.0 | 8.4 | 14.8 | 23.4 | | | | | | | | | | |
| | Marine | 70 | 1.0 | 3.4 | 7.0 | 12.4 | 20.0 | 28.4 | | | | | | | | |
| | | 80 | .9 | 2.8 | 6.0 | 10.8 | 17.4 | 25.2 | 34.6 | | | | | | | |
| | Material Handling Abrasives Bulk Transfer Cement & Concrete | 90 | .8 | 2.4 | 5.4 | 9.5 | 14.8 | 22.0 | 30.5 | 41.0 | | | | | | |
| | | 100 | .7 | 2.3 | 4.8 | 8.4 | 13.3 | 19.3 | 27.2 | 36.6 | | | | | | |
| 110 | | .6 | 2.0 | 4.3 | 7.6 | 12.0 | 17.6 | 24.6 | 33.3 | 44.5 | | | | | | |
| Mining | 50 | .4 | .8 | 1.5 | 2.4 | 3.5 | 4.4 | 6.5 | 8.5 | 11.4 | 14.2 | | | | | |
| | 60 | .3 | .6 | 1.2 | 1.9 | 2.8 | 3.8 | 5.2 | 6.8 | 8.6 | 11.2 | | | | | |
| | ¾ in. with Couplings at Each End | 70 | .2 | .5 | .9 | 1.5 | 2.3 | 3.2 | 4.2 | 5.5 | 7.0 | 8.8 | 11.0 | | | |
| | | 80 | .2 | .5 | .8 | 1.3 | 1.9 | 2.8 | 3.6 | 4.7 | 5.8 | 7.2 | 8.8 | 10.6 | | |
| | Petroleum Aircraft Fueling Dispensing Dock Rig Supply Transfer Discharge Transfer S&D | 90 | .2 | .4 | .7 | 1.1 | 1.6 | 2.3 | 3.1 | 4.0 | 5.0 | 6.2 | 7.5 | 9.0 | | |
| | | 100 | .2 | .4 | .6 | 1.0 | 1.4 | 2.0 | 2.7 | 3.5 | 4.4 | 5.4 | 6.6 | 7.9 | 9.4 | 11.1 |
| 110 | | .1 | .3 | .5 | .9 | 1.3 | 1.8 | 2.4 | 3.1 | 3.9 | 4.9 | 5.9 | 7.1 | 8.4 | 9.9 | |
| Specialty | 1 in. with Couplings at Each End | 50 | .1 | .2 | .3 | .5 | .8 | 1.1 | 1.5 | 2.0 | 2.6 | 3.5 | 4.8 | 7.0 | | |
| | | 60 | .1 | .2 | .3 | .4 | .6 | .8 | 1.2 | 1.5 | 2.0 | 2.6 | 3.3 | 4.2 | 5.5 | 7.2 |
| | | 70 | | .1 | .2 | .4 | .5 | .7 | 1.0 | 1.3 | 1.6 | 2.0 | 2.5 | 3.1 | 3.8 | 4.7 |
| | | 80 | | .1 | .2 | .3 | .5 | .7 | .8 | 1.1 | 1.4 | 1.7 | 2.0 | 2.4 | 2.7 | 3.5 |
| | | 90 | | .1 | .2 | .3 | .4 | .6 | .7 | .9 | 1.2 | 1.4 | 1.7 | 2.0 | 2.4 | 2.8 |
| | | 100 | | .1 | .2 | .2 | .4 | .5 | .6 | .8 | 1.0 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 |
| Vacuum | 1 in. with Couplings at Each End | 110 | | .1 | .2 | .3 | .4 | .6 | .7 | .9 | 1.1 | 1.3 | 1.5 | 1.8 | 2.1 | |
| | | 50 | | | .1 | .2 | .2 | .3 | .4 | .5 | .7 | 1.1 | | | | |
| | | 60 | | | | .1 | .2 | .3 | .3 | .5 | .6 | .8 | 1.0 | 1.2 | 1.5 | |
| | | 70 | | | | .1 | .2 | .2 | .3 | .4 | .4 | .5 | .7 | .8 | 1.0 | 1.3 |
| | | 80 | | | | | .1 | .2 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | 1.0 |
| | | 90 | | | | | .1 | .2 | .2 | .3 | .3 | .4 | .5 | .6 | .7 | .8 |
| Water Discharge Suction & Discharge Washdown Garden | 1 ¼ in. with Couplings at Each End | 100 | | | | | .1 | .2 | .2 | .3 | .4 | .4 | .5 | .6 | .7 | |
| | | 110 | | | | | | .1 | .2 | .2 | .3 | .3 | .4 | .5 | .6 | |
| | | 50 | | | | | | | .1 | .2 | .2 | .3 | .3 | .4 | .5 | .6 |
| | | 60 | | | | | | | | .1 | .2 | .2 | .2 | .3 | .3 | .4 |
| | | 70 | | | | | | | | | .1 | .2 | .2 | .2 | .3 | .4 |
| | | 80 | | | | | | | | | | .1 | .2 | .2 | .2 | .3 |
| Welding Coupling Systems Equipment | 1 ½ in. with Couplings at Each End | 90 | | | | | | | | | .1 | .2 | .2 | .2 | .3 | |
| | | 100 | | | | | | | | | | .1 | .2 | .2 | .2 | |
| | | 110 | | | | | | | | | | | .1 | .2 | .2 | .2 |
| | | 50 | | | | | | | | | | | | .1 | .2 | .2 |
| | | 60 | | | | | | | | | | | | | .1 | .2 |
| | | 70 | | | | | | | | | | | | | | .1 |

For longer or shorter lengths of hose, the friction loss is proportional to the length (e.g., for 25 feet, half of the above; for 150 feet, three times the above, etc.).

General Information

Flow Data (continued)

Water Flow Pressure Loss (psi per 100 feet of hose)

| Flow of Water in U.S. gal. per min. | Flow of Water in cu. ft. per sec. | Actual Internal Diameter (in.) | | | | | | | | | |
|-------------------------------------|-----------------------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | |
| 0.5 | .001 | 0.4 | | | | | | | | | |
| 1.5 | .003 | 3.02 | 1.01 | 0.42 | | | | | | | |
| 2.5 | .005 | 7.75 | 2.58 | 1.08 | | | | | | | |
| 5 | .011 | 27.8 | 9.27 | 3.86 | 0.95 | 0.32 | 0.13 | | | | |
| 10 | .022 | 99.5 | 33.2 | 13.8 | 3.38 | 1.14 | 0.47 | 0.12 | | | |
| 15 | .033 | | 71.0 | 29.6 | 7.25 | 2.45 | 1.01 | 0.25 | 0.08 | | |
| 20 | .044 | | 121.0 | 50.3 | 12.4 | 4.15 | 1.71 | 0.42 | 0.14 | | |
| 25 | .055 | | | 76.5 | 18.7 | 6.34 | 2.60 | 0.64 | 0.22 | | |
| 30 | .066 | | | 108.0 | 26.5 | 8.96 | 3.68 | 0.90 | 0.30 | 0.13 | |
| 35 | .077 | | | 142.0 | 34.8 | 11.8 | 4.83 | 1.18 | 0.40 | 0.17 | |
| 40 | .088 | | | | 44.7 | 15.1 | 6.20 | 1.52 | 0.51 | 0.21 | |
| 45 | .099 | | | | 55.0 | 18.6 | 7.65 | 1.87 | 0.63 | 0.26 | |
| 50 | .110 | | | | 67.5 | 22.8 | 9.35 | 2.28 | 0.78 | 0.32 | |
| 60 | .132 | | | | 94.3 | 31.8 | 13.1 | 3.19 | 1.08 | 0.45 | |
| 70 | .154 | | | | 126.0 | 42.5 | 17.5 | 4.25 | 1.44 | 0.60 | |
| 80 | .176 | | | | | 54.6 | 22.5 | 5.48 | 1.86 | 0.77 | |
| 90 | .198 | | | | | 67.5 | 27.8 | 6.80 | 2.30 | 0.95 | |
| 100 | .223 | | | | | 81.5 | 33.5 | 8.19 | 2.78 | 1.15 | |
| 125 | .278 | | | | | 124.0 | 50.6 | 12.4 | 4.20 | 1.73 | |
| 150 | .334 | | | | | | 72.1 | 17.6 | 6.97 | 2.46 | |
| 175 | .390 | | | | | | 94.5 | 23.1 | 7.83 | 3.23 | |
| 200 | .446 | | | | | | 122.0 | 29.6 | 10.1 | 4.15 | |
| 225 | .501 | | | | | | | 36.8 | 12.5 | 5.15 | |
| 250 | .557 | | | | | | | 44.6 | 15.2 | 6.28 | |
| 275 | .613 | | | | | | | 53.3 | 18.1 | 7.45 | |
| 300 | .688 | | | | | | | 62.5 | 21.2 | 8.75 | |
| 325 | .724 | | | | | | | 72.5 | 24.6 | 10.2 | |
| 350 | .780 | | | | | | | 83.2 | 28.2 | 11.7 | |
| 375 | .836 | | | | | | | 94.5 | 32.1 | 13.3 | |
| 400 | .891 | | | | | | | 107.0 | 36.2 | 14.9 | |
| 450 | 1.00 | | | | | | | | 44.9 | 18.6 | |
| 500 | 1.11 | | | | | | | | 54.5 | 22.5 | |
| 600 | 1.34 | | | | | | | | 76.5 | 31.6 | |
| 700 | 1.56 | | | | | | | | 102.0 | 42.1 | |
| 800 | 1.78 | | | | | | | | 131.0 | 53.9 | |
| 900 | 2.00 | | | | | | | | | 66.8 | |
| 1000 | 2.23 | | | | | | | | | 81.4 | |
| 1100 | 2.45 | | | | | | | | | 97.0 | |
| 1200 | 2.67 | | | | | | | | | 114.0 | |
| 1300 | 2.90 | | | | | | | | | 132.0 | |
| 1400 | 3.12 | | | | | | | | | | |
| 1500 | 3.34 | | | | | | | | | | |
| 1600 | 3.56 | | | | | | | | | | |
| 1800 | 4.01 | | | | | | | | | | |
| 2000 | 4.45 | | | | | | | | | | |

Note: The pressure loss experienced by a liquid flowing through a hose depends on the rate of flow, the viscosity of the liquid, the hose ID, the smoothness of the tube and the hose length. This chart shows the relationship between rate of flow, ID and pressure loss for water at 68°F (20°C) with a viscosity of one centipoise. The pressure is directly proportional to the length of the hose, therefore, the data shown can be easily extended by use of proportions (e.g., the pressure drop for 50 feet of hose length is half that for 100 feet.).

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General Purpose
Heavy Duty
Push-on

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Bulk Transfer
Cement & Concrete

Mining

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Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

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General Information

Flow Data (continued)

Water Flow Pressure Loss (psi per 100 feet of hose)

| | Flow of Water in U.S. gal. per min. | Flow of Water in cu. ft. per sec. | Actual Internal Diameter (in.) | | | | | | | | |
|-------------------------------|-------------------------------------|-----------------------------------|--------------------------------|---|---|----|----|----|----|--|--|
| | | | 4 | 6 | 8 | 10 | 12 | 14 | 16 | | |
| Air & Multipurpose | | | | | | | | | | | |
| General Purpose | | | | | | | | | | | |
| Heavy Duty | | | | | | | | | | | |
| Push-on | | | | | | | | | | | |
| Chemical Transfer | | | | | | | | | | | |
| Cleaning Equipment | | | | | | | | | | | |
| Food | | | | | | | | | | | |
| Dry Transfer | | | | | | | | | | | |
| Liquid Transfer | | | | | | | | | | | |
| Washdown | | | | | | | | | | | |
| Marine | | | | | | | | | | | |
| Material Handling | | | | | | | | | | | |
| Abrasives | | | | | | | | | | | |
| Bulk Transfer | | | | | | | | | | | |
| Cement & Concrete | | | | | | | | | | | |
| Mining | | | | | | | | | | | |
| Petroleum | | | | | | | | | | | |
| Aircraft Fueling | | | | | | | | | | | |
| Dispensing | | | | | | | | | | | |
| Dock | | | | | | | | | | | |
| Rig Supply | | | | | | | | | | | |
| Transfer Discharge | | | | | | | | | | | |
| Transfer S&D | | | | | | | | | | | |
| Specialty | | | | | | | | | | | |
| Steam | | | | | | | | | | | |
| Vacuum | | | | | | | | | | | |
| Water | | | | | | | | | | | |
| Discharge | | | | | | | | | | | |
| Suction & Discharge | | | | | | | | | | | |
| Washdown | | | | | | | | | | | |
| Garden | | | | | | | | | | | |
| Welding | | | | | | | | | | | |
| Coupling Systems | | | | | | | | | | | |
| Equipment | | | | | | | | | | | |
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General Information

Open-end Discharge

The term "open-end discharge" refers to a hose which empties a fluid into the atmosphere. Even though one end is open, the pressure is not low throughout the hose.

The inlet end pressure is equal to that in the line to which the hose is connected unless the flow rate is so low that the hose is not completely filled. The pressure along the hose length drops from a maximum at the inlet to zero at the outlet, and the pressure at any given point along the length is nearly proportional to the distance from the hose inlet.

The following table shows the flow in gallons per minute for various sizes of hoses in open-end discharge service.

Open-End Flow (GPM)

| | Pressure at Inlet, psi | Hose Length (ft.) | | | | | | | |
|-----------|------------------------|-------------------|------|------|------|------|------|------|------|
| | | 25 | 50 | 75 | 100 | 125 | 150 | 200 | 300 |
| 1/2" Hose | 30 | 10.4 | 6.2 | 5.6 | 4.8 | 4.3 | 3.8 | 3.3 | 2.6 |
| | 40 | 12.1 | 8.5 | 6.2 | 5.6 | 5.0 | 4.5 | 3.8 | 3.2 |
| | 50 | 13.8 | 9.4 | 7.5 | 6.4 | 5.6 | 5.1 | 4.0 | 3.5 |
| | 60 | 15.2 | 10.4 | 8.5 | 7.1 | 6.2 | 5.6 | 4.9 | 3.8 |
| | 70 | 16.6 | 11.2 | 9.0 | 7.8 | 6.8 | 6.2 | 5.3 | 4.2 |
| | 80 | 18.0 | 12.1 | 9.8 | 8.5 | 7.3 | 6.6 | 5.6 | 4.5 |
| | 90 | 19.0 | 13.0 | 10.4 | 8.8 | 7.7 | 7.1 | 6.0 | 4.8 |
| | 100 | 20.1 | 13.8 | 11.0 | 9.4 | 8.5 | 7.5 | 6.4 | 4.9 |
| | 125 | 22.8 | 15.5 | 12.5 | 10.5 | 9.4 | 8.5 | 7.2 | 5.8 |
| | 5/8" Hose | 30 | 18.1 | 12.5 | 10.3 | 8.7 | 7.7 | 7.0 | 6.0 |
| 40 | | 21.4 | 14.8 | 12.5 | 10.3 | 9.0 | 8.3 | 7.0 | 5.7 |
| 50 | | 23.9 | 16.5 | 13.2 | 11.4 | 10.3 | 9.2 | 7.9 | 6.3 |
| 60 | | 26.5 | 18.1 | 14.8 | 12.5 | 11.2 | 10.3 | 8.7 | 7.0 |
| 70 | | 27.5 | 20.0 | 16.0 | 13.7 | 12.0 | 11.0 | 10.0 | 7.6 |
| 80 | | 30.6 | 21.4 | 16.8 | 14.8 | 13.0 | 11.8 | 10.3 | 8.3 |
| 90 | | 32.5 | 22.5 | 18.1 | 15.5 | 14.0 | 12.5 | 10.5 | 8.7 |
| 100 | | 34.5 | 23.9 | 19.0 | 16.6 | 14.8 | 13.2 | 11.4 | 9.2 |
| 125 | | 39.0 | 27.0 | 21.5 | 18.5 | 16.6 | 15.0 | 12.9 | 10.5 |
| 3/4" Hose | | 30 | 31.0 | 21.3 | 17.2 | 14.8 | 13.0 | 11.8 | 10.2 |
| | 40 | 36.0 | 25.0 | 20.0 | 17.2 | 15.2 | 13.8 | 11.8 | 9.4 |
| | 50 | 41.0 | 28.0 | 22.5 | 19.2 | 17.2 | 15.5 | 13.2 | 10.7 |
| | 60 | 45.5 | 31.0 | 25.0 | 21.3 | 19.0 | 17.2 | 14.8 | 11.8 |
| | 70 | 49.5 | 34.0 | 27.2 | 23.5 | 21.0 | 18.8 | 17.1 | 12.8 |
| | 80 | 53.0 | 36.0 | 29.1 | 25.0 | 22.0 | 20.0 | 17.2 | 13.8 |
| | 90 | 56.2 | 39.0 | 31.0 | 27.0 | 23.8 | 21.3 | 18.2 | 14.8 |
| | 100 | 60.0 | 41.0 | 33.0 | 28.0 | 25.0 | 22.6 | 19.2 | 15.5 |
| | 125 | 68.0 | 46.0 | 37.5 | 32.0 | 23.0 | 25.8 | 21.8 | 17.5 |

| | Pressure at Inlet, psi | Hose Length (ft.) | | | | | | | |
|-------------|------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|
| | | 25 | 50 | 75 | 100 | 125 | 150 | 200 | 300 |
| 1" Hose | 30 | 68.0 | 46.2 | 37.5 | 32.0 | 28.5 | 25.8 | 22.0 | 17.8 |
| | 40 | 79.0 | 54.4 | 44.0 | 37.5 | 33.0 | 30.0 | 25.8 | 20.8 |
| | 50 | 89.0 | 62.0 | 49.0 | 42.0 | 37.5 | 34.0 | 29.0 | 23.3 |
| | 60 | 100.0 | 68.0 | 54.4 | 46.2 | 41.8 | 37.5 | 32.0 | 25.8 |
| | 70 | — | 74.0 | 59.0 | 51.0 | 45.0 | 40.8 | 37.3 | 28.0 |
| | 80 | — | 79.0 | 63.0 | 54.4 | 48.0 | 43.0 | 37.5 | 30.0 |
| | 90 | — | 84.0 | 68.0 | 58.0 | 51.8 | 46.2 | 40.0 | 32.0 |
| | 100 | — | 89.0 | 71.0 | 62.0 | 54.4 | 49.0 | 42.0 | 34.0 |
| | 125 | — | 101.0 | 80.0 | 68.0 | 62.0 | 55.8 | 47.8 | 38.0 |
| | 1 1/4" Hose | 50 | — | 110.0 | 85.0 | 72.0 | 56.0 | 50.0 | 42.0 |
| 75 | | — | 130.0 | 110.0 | 90.0 | 80.0 | 73.0 | 64.0 | 52.0 |
| 100 | | — | 150.0 | 125.0 | 110.0 | 92.0 | 85.0 | 73.0 | 58.0 |
| 150 | | — | — | 150.0 | 130.0 | 120.0 | 110.0 | 90.0 | 67.0 |
| 1 3/8" Hose | 50 | — | 140.0 | 115.0 | 96.0 | 85.0 | 75.0 | 65.0 | 54.0 |
| | 75 | — | 170.0 | 140.0 | 125.0 | 110.0 | 96.0 | 84.0 | 67.0 |
| | 100 | — | 205.0 | 160.0 | 140.0 | 125.0 | 110.0 | 96.0 | 75.0 |
| | 150 | — | — | 205.0 | 170.0 | 155.0 | 140.0 | 125.0 | 97.0 |
| 1 1/2" Hose | 50 | — | 180.0 | 150.0 | 130.0 | 120.0 | 105.0 | 90.0 | 74.0 |
| | 75 | — | 230.0 | 180.0 | 160.0 | 145.0 | 130.0 | 120.0 | 90.0 |
| | 100 | — | 260.0 | 220.0 | 180.0 | 170.0 | 150.0 | 130.0 | 105.0 |
| | 150 | — | — | 260.0 | 230.0 | 205.0 | 180.0 | 160.0 | 130.0 |
| 2" Hose | 50 | — | 380.0 | 310.0 | 270.0 | 240.0 | 210.0 | 180.0 | 150.0 |
| | 75 | — | 480.0 | 380.0 | 330.0 | 290.0 | 270.0 | 230.0 | 180.0 |
| | 100 | — | 550.0 | 450.0 | 380.0 | 350.0 | 310.0 | 260.0 | 215.0 |
| | 125 | — | — | 550.0 | 480.0 | 425.0 | 380.0 | 330.0 | 265.0 |

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 Aircraft Fueling
 Dispensing
 Dock
 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
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 Suction & Discharge
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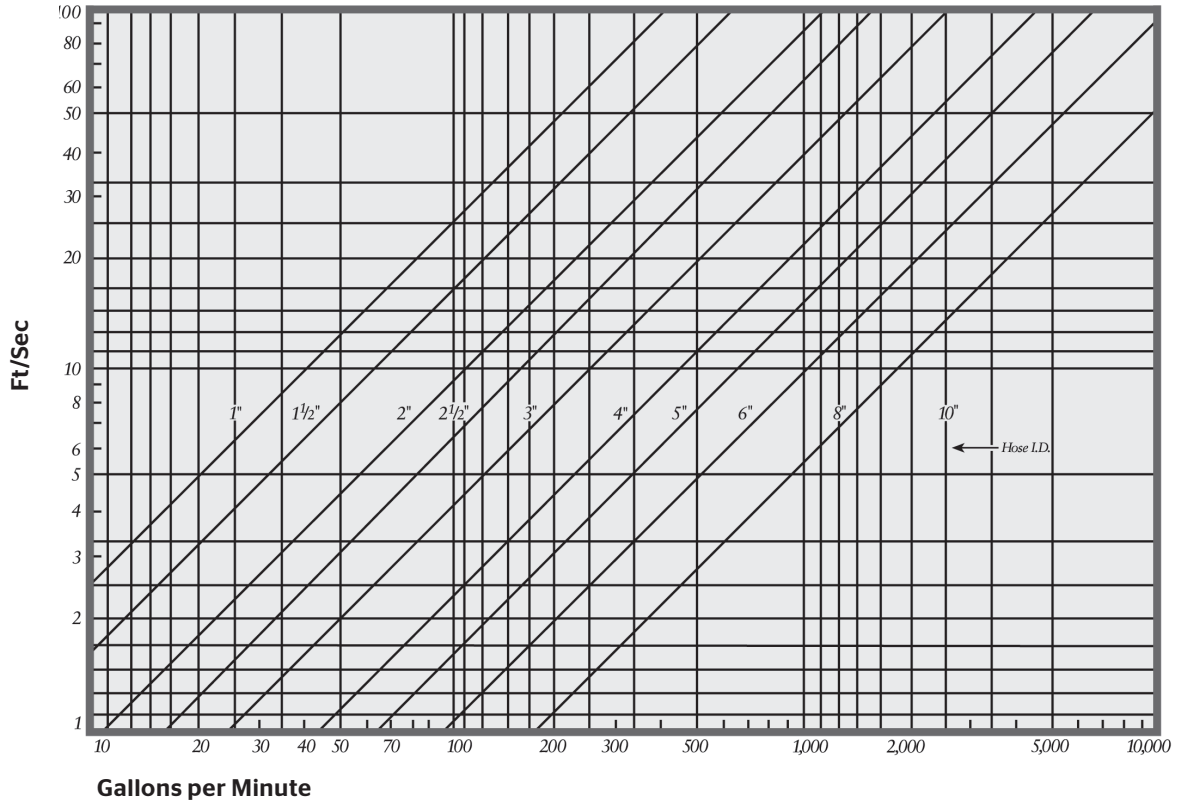
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Fluid Velocity vs. Flow Rate

The graph below illustrates the fluid velocity for flow rates up to 10,000 GPM for hose from 1" through 10" ID



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ARPM Oil and Gasoline Resistance

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater impact on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long-lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

The impact of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this ARPM classification, the rubber samples are immersed in IRM 903 oil at 212°F (100°C) for 70 hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to the user of hose in contact with oil, the oil resistance classes and a corresponding description are listed.

(Reprinted From ARPM Hose Handbook IP-2-2015 Edition.)

Physical Properties After Exposure to Oil

| | Volume Change Maximum | Tensile Strength Retained |
|----------------------------------|-----------------------|---------------------------|
| Class A (High Oil Resistance) | +25% | 80% |
| Class B (Medium Oil Resistance) | +65% | 50% |
| Class C (Limited Oil Resistance) | +100% | 40% |

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Food Hose Standards

FDA Compliant

All ContiTech hose having the "FDA" designation have tubes made with FDA/USDA compliant materials. The requirements for rubber tubes are described in the Code of Federal Regulations standard 21 CFR 177.2600, while plastic tubes are described in 21 CFR 175.300.

NSF 61

Clear Pliovic® tubes are certified as meeting the NSF 61 potable water standard.

3-A Sanitary

All ContiTech rubber hose having the "3-A" designation meet the requirements of the dairy industrial standard described in 3-A Sanitary Standard 18-03, Class III, which determines rubber materials suitable for temperature of exposure to product up to 120°F (49°C) and temperature of exposure to chemical solutions used in cleaning and bacterial treatment up to 180°F (82°C).

All ContiTech plastic hose having the "3-A" designation meet the requirements of the dairy industrial standard described in 3-A Sanitary Standard 20-20 and are recommended for the transmission of raw and pasteurized milk and other high water content dairy items.

In order to ensure compliance with the above standards, all ContiTech hose should be thoroughly cleansed prior to first use in accordance with good manufacturing and use practices.

General Information

Precautions for Welding Hose Use

Foreword

This bulletin is issued to alert dealers and users of welding hose that special hose may be necessary for use with certain fuel gases.

Scope

This bulletin relates to welding hose manufactured in conformance to ARPM/CGA specification or to welding hose conforming to individual manufacturer or user specifications.

Caution

The fuel gases listed below are recorded to alert welding hose users to a potential hazard with these or similar gases. It should be noted that no condemnation of any of the gases listed is intended. The purpose is to advise against the use of hose that may not be designed for a particular gas or pressure. A user of any fuel gas is urged to relate the type of gas along with the expected working pressure (regulator setting) to the hose manufacturer for a specific hose recommendation.

Alert Listing

These and similar fuel gases may damage some grades or types of welding hose:

Apache, Flamex, Mapp, Propane, Propylene

Use of the indicated or similar fuel gases at regulator settings above 40 psi may be particularly hazardous.

Users are also alerted against the use of acetylene at any pressure above 15 psi.

In-service Caution

First, the user is cautioned to shut off the gas at the torch and then at the regulator or supply source when the torch will not be used for periods in excess of 30 minutes, in order to limit permeation of gas through the hose wall.

The user is further cautioned not to shut off the fuel gas at the regulator or supply source first, as a flashback may result and thereby damage the hose.

Adequate ventilation must be provided in confined areas where fuel gas is being used to prevent the accumulation or concentration of gas that could be explosive or otherwise harmful to personnel.

Warning

The Use of Certain Fuel Gases May Damage Welding Hose and Lead to Fires and Explosions.

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Made to Order Production Run Minimum Requirements Key

| | Order Code Prefix | Manufacturing Facility | Size (ID) | Construction | Minimum Production Run |
|---|-------------------|------------------------|-----------------------------|----------------------------|----------------------------------|
| Air & Multipurpose General Purpose Heavy Duty Push-on | 532 | Norfolk | 5/8"-2" | Textile Reinforcement | 2,500 feet |
| | | | 5/8"-2" | Wire Reinforcement | 5,000 feet |
| Chemical Transfer | 535 | Norfolk | 3/16"-1/4" | Textile Reinforcement | 5,000 feet |
| Cleaning Equipment | | | 3/8"-1" | | 2,500 feet |
| Food Dry Transfer | 536 | Norfolk | 1 1/4"-2" | | 2,000 feet |
| | | | Liquid Transfer Washdown | 3/16"-1/4" | Textile Reinforcement |
| Marine | 537 | Cosmoflex | 3/8"-1 1/4" | | 2,500 feet |
| | | | 1 1/2"-2" | | 2,000 feet |
| Material Handling Abrasives Bulk Transfer Cement & Concrete | 539 | Norfolk | 1 1/4"-1 1/2" | | 4,500 feet |
| | | | 2" | | 4,500 feet |
| Mining | 540 | Cosmoflex | 2 1/2"-3" | | 4,500 feet |
| | | | 4" | | 3,300 feet |
| Petroleum Aircraft Fueling Dispensing Dock Rig Supply Transfer Discharge Transfer S&D | 541 | Granford | 6" | | 3,300 feet |
| | | | 3/16"-1/4" | Wire Reinforcement | 5,000 feet |
| Specialty | 542 | Granford | 3/8"-2" | | 2,500 feet |
| | | | 1/4"-3/8" | | 15,000 feet |
| Steam | 543 | Granford | 1/2"-1" | | 5,000 feet |
| | | | 1"-12" | Hand-Built | Built to length, Max. 100' |
| Vacuum | 544 | Granford | 12"-18" | Hand-Built | Built to length, Max. 50' |
| | | | 1/2"-6 5/8" | Ply or Ply with Helic Wire | 400 feet increments ¹ |
| Water Discharge Suction & Discharge Washdown Garden | 545 | Granford | 1/2"-6 5/8" | Ply or Ply with Helic Wire | 400 feet increments ¹ |
| | | | 1/2"-6 5/8" | Ply or Ply with Helic Wire | 400 feet increments ¹ |
| Welding | 546 | Granford | 1/2"-6 5/8" | Ply or Ply with Helic Wire | 400 feet increments ¹ |
| | | | 3/16"-1 1/2" | | 5,000 feet |
| Coupling Systems | 547 | Cosmoflex | 3/4"-1" | | 2,000 feet |
| | | | 1 1/4"-2" | | 2,000 feet |
| Equipment | 548 | Cosmoflex | 2 1/2"-3" | | 1,000 feet |
| | | | 4" | | 700 feet |
| Appendix | 549 | Cosmoflex | 5" | | 500 feet |
| | | | 6" | | 500 feet |
| Appendix | 550 | Cosmoflex | 7" | | 200 feet |
| | | | 8"-10" | | 200 feet |
| Appendix | 595* | Mt. Pleasant | 3/16"-1/2" | | 5,000 feet |
| | | | 5/8"-1" | | 5,000 feet |
| Appendix | 598* | Mt. Pleasant | 1 1/4"-2" | | 5,000 feet |
| | | | 3/16"-1/2" | | 5,000 feet |
| Appendix | 598* | Mt. Pleasant | 5/8"-1" | | 5,000 feet |
| | | | 1 1/4"-2" | | 5,000 feet |

Note: Certain special manufacturing items may require longer minimum runs.

Samples: Contact customer service for sample availability.

*Minimum production runs are a guide only, they are subject to change without notification.

¹Granford hoses with ply/helic wire construction in 6" ID and above require a 200' increment production run.

General Information

Care, Maintenance and Storage

Reprinted from ARPM Hose Handbook IP-2-2015

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

Safety Warning:

Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose might result in its failure to perform in the manner intended and might result in possible damage to property and serious bodily injury.

General instructions are also described for the proper storage of hose to minimize deterioration from exposure to elements or environments which are known to be deleterious to rubber products. Proper storage conditions can enhance and extend substantially the ultimate life of hose products.

General Care and Maintenance

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as not to subject the hose to excessive surge pressures. Hose should not be kinked or run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

General Test & Inspection Procedures

An inspection and hydrostatic test should be made at periodic intervals to determine if a hose is suitable for continued service. A visual inspection of the hose should be made for loose covers, kinks, bulges or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service. The periodic inspection should include a hydrostatic test for one minute at 150% of the recommended working pressure of the hose. An exception to this would be the woven jacket fire

hose.* During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture. A regular schedule for testing should be followed and inspection records maintained.

SAFETY WARNING: Before conducting any pressure tests on hose, provisions must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests:

1. Air or any other compressible gas must never be used as the test media because of the explosive action of the hose should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.
2. Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.
3. Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10-foot (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.
4. The outlet end of the hose is to be bulwarked so that a blown-out fitting will be stopped.

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Care, Maintenance and Storage (continued)

- Provisions must be made to protect testing personnel from the forces of the pressure media if a failure occurs.
- Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.
- When liquids such as gasoline, oil, solvent or other hazardous fluids are used as the test fluid, precautions must be taken to protect against fire or other damage should a hose fail and the test liquid be sprayed over the surrounding area.

Separately, the Association for Rubber Products Manufacturers (ARPM) has published a series of Hose Technical Information bulletins describing maintenance, testing and inspection recommendations. Reference should be made to the current ARPM Catalog of Publications to determine the availability of the latest edition. Bulletins published as of January 2003 include the following:

Publication No.

- IP 11-1-Steam Hose
- IP 11-2-Anhydrous Ammonia Hose
- IP 11-4-Oil Suction and Discharge Hose
- IP 11-5-Welding Hose
- IP 11-7-Chemical Hose
- IP 11-8-Fuel Dispensing Hose

Storage

Rubber hose products in storage can be impacted adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating impact of oils, solvents and corrosive liquids; shipping containers also afford some protection against ozone and sunlight. Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided.

Cotton jacketed hose should be protected against fungal growths if the hose is to be stored for prolonged periods in humid conditions in excess of 70%.

The ideal temperature for the storage of rubber products ranges from 50°F to 70°F (10°C to 21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse impact of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Exposure to direct or reflected sunlight, even through windows, should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps. These generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

*Woven jacket fire hose should be tested in accordance with the service test provisions contained in the current edition of the National Fire Protection Association Bulletin No. 1962 - Standard for the Care, Use and Service Testing of Fire Hose.

ContiTech

Industrial Fluid Solutions

Market segment
Industrial Hose

Contact

ContiTech

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