



Industrial Hose



Industrial Hose

2018 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.



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
- › Braida™
- › 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
- › Plicord® Super Rock Drill

- › Plicord® 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

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®

Chemical Transfer

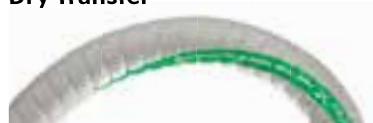


Engineered for the reliable transfer of industrial chemicals and other solutions. Multiple cover color options, -40°F to 300°F (-40°C to 149°C), up to 200 psi WP.

- › Hi-Per®
- › Chem One™
- › Viper®
- › Green XLPE
- › Fabchem®
- › Plicord® ExtremeFlex™ Brown
- › Plicord® 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

Food

Dry Transfer

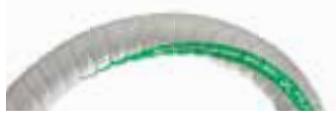


Designed to transfer nearly every type of dry bulk food material in plant and truck applications. Temperature ranges from -40°F to 210°F (-40°C to 99°C), FDA/3-A/USDA approvals.

- › Plicord® ExtremeFlex™ Food Grade
- › White Flexwing®
- › Gray Flextra® LT
- › Plicord® 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

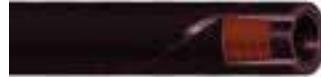
Bulk Transfer



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
- › Flexltra® 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
- › Flexltra® 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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A - Superior Abrasion Resistance



F - FDA, 3-A, & USDA Compliant



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CUL - Underwriter's Laboratory Approved (Canada)

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		A - Superior Abrasion Resistance			M - USMSHA Approved																																																																																																																					
		F - FDA, 3-A, & USDA Compliant			UL - Underwriter's Laboratory Approved																																																																																																																					
		CUL - Underwriter's Laboratory Approved (Canada)			NC - Non-Conductive																																																																																																																					

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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)

General Purpose



	Page	Superior Abrasion Cover	MSHA	Non-conductive	Oil Resistance Tube*	Oil Resistance Cover*	Temp. Range	Thermo-plastic	Rubber
Arctic Ortac	25				A	A	-65°F to 180°F (-54°C to 82°C)		Yes
Arctic Ortac Plus	24				A	A	-65°F to 180°F (-54°C to 82°C)		Yes
Braidaire	23				A	B	-20°F to 210°F (-29°C to 99°C)		Yes
Crimped Jackhammer Assembly	19	Yes			C	C	-40°F to 210°F (-40°C to 99°C)		Yes
F5	20				B	B	-40°F to 158°F (-40°C to 70°C)	Yes	
Flexsteel Service Station Air	26				B	B	-20°F to 210°F (-29°C to 99°C)		Yes
Frontier 200	17-18				C	C	-40°F to 210°F (-40°C to 99°C)		Yes
Frontier 250	17-18				C	C	-40°F to 210°F (-40°C to 99°C)		Yes
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®



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 Carbry™ 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.

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".

Construction

> Tube

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

> Cover

Yellow Carbry™ synthetic rubber, ARPM Class A (High Oil Resistance) MSHA approved

> Reinforcement

Spiral aramid yarn, 2" is braided synthetic yarn

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")

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Gorilla®

	SAP #	ID	Nom. OD		Max. WP	Weight			
	Yellow	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Water Discharge	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
Welding	20026290	3/4	19.1	1.19	30.2	500	3.45	0.41	0.61
Coupling Systems	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
Equipment	20026309	1 1/2	38.1	2.04	51.8	500	3.45	0.86	1.27
Appendix	20023183	2	50.8	2.62	66.6	500	3.45	1.22	1.82

Hose design ratio (burst pressure) 4:1.

Ortac®



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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 Carbrym™ 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 Carbrym™ 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
1/4" - 400' reels, maximum 3 pieces, 50' increments
1/2" - 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.

Ortac® 250

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

Air & Multipurpose General Purpose Heavy Duty Push-on	SAP #	ID	Nom. OD		Max. WP		Weight		
	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
	20026527	1/4	6.4	0.53	13.5	250	1.72	0.09	0.13
Chemical Transfer	20026529	5/16	7.9	0.62	17.5	250	1.72	0.14	0.21
Cleaning Equipment	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
Food	20026538	5/8	15.9	1.00	25.4	250	1.72	0.26	0.39
Dry Transfer	20026540	3/4	19.1	1.14	29.0	250	1.72	0.34	0.51
Liquid Transfer	20026544	1	25.4	1.47	37.3	250	1.72	0.51	0.76
Washdown	20023278	2	50.8	2.50	63.5	200	1.37	1.08	1.61
Marine	Hose design ratio (burst pressure) 4:1.								

Ortac® 300

Order Codes: 569-059 (red)

Material Handling Abrasives Bulk Transfer Cement & Concrete	SAP #	ID	Nom. OD		Max. WP		Weight		
	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Mining	20026560	3/16	4.8	0.44	11.8	300	2.07	0.07	0.10
Petroleum	20026561	1/4	6.4	0.61	15.7	300	2.07	0.14	0.21
Aircraft Fueling	20026563	5/16	7.9	0.68	17.3	300	2.07	0.16	0.24
Dispensing	20026564	3/8	9.5	0.73	18.6	300	2.07	0.18	0.27
Dock	20026568	1/2	12.7	0.89	22.6	300	2.07	0.25	0.37
Rig Supply	20026570	5/8	15.9	1.06	26.9	300	2.07	0.35	0.52
Transfer Discharge	20026571	3/4	19.1	1.19	30.2	300	2.07	0.40	0.60
Transfer S&D	20026575	1	25.4	1.50	38.1	300	2.07	0.59	0.88
Specialty	20026579	1¼	31.8	1.81	46.0	300	2.07	0.76	1.13
Steam	20026583	1½	38.1	2.08	52.8	300	2.07	0.88	1.31
Vacuum	Hose design ratio (burst pressure) 4:1.								

Hose design ratio (burst pressure) 4:1.

Ortac® 400

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

Water Discharge Suction & Discharge Washdown Garden	SAP #	ID	Nom. OD		Max. WP		Weight		
	Yellow	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Welding	20026596	1/4	6.4	0.61	15.7	400	2.76	0.16	0.24
Coupling Systems	20026598	3/8	9.5	0.73	18.8	400	2.76	0.20	0.30
Equipment	20026599	1/2	12.7	0.89	22.8	400	2.76	0.26	0.39
Appendix	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™



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 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

PetroleumAircraft Fueling
Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

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
1/4" - 400' reels, maximum 3 pieces, 50' increments
1/2" - 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)

Air & Multipurpose		SAP #		ID		Nom. OD		Max. WP		Weight			
		Black	Red	Blue	Yellow	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Air & Multipurpose	General Purpose	20025544	20025733		20709043	3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
Chemical Transfer	Heavy Duty	20025553	20025735	20026919	20654587	1/4	6.4	0.50	12.7	200	1.38	0.09	0.13
Cleaning Equipment	Push-on	20025565	20025748	20026920		5/16	7.9	0.58	14.7	200	1.38	0.12	0.18
Food	Dry Transfer	20025572	20025750	20338093	20026337	3/8	9.5	0.67	17.0	200	1.38	0.15	0.22
Liquid Transfer	Washdown	20025591	20025773	20026921	20026353	1/2	12.7	0.81	20.6	200	1.38	0.20	0.30
Marine		20025610	20025787	20026923		5/8	15.9	0.97	24.6	200	1.38	0.27	0.40
Material Handling		20025619	20025799	20026925	20026358	3/4	19.1	1.12	28.5	200	1.38	0.34	0.51
Abrasives		20025714	20025966	20026928	20026361	1	25.4	1.44	36.8	200	1.38	0.54	0.80
Bulk Transfer		20025649	20025826	20736320	20026364	1 1/4	31.8	1.73	44.0	200	1.38	0.75	1.12
Cement & Concrete		20025655	20025834	20340494	20026366	1 1/2	38.1	1.98	50.3	200	1.38	0.86	1.28
Mining		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)

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

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)

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

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.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

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 Jackhammer Assembly

SAP #			ID	Nom. OD		Max. WP	Weight	
Red	Yellow	Length (ft.)	in.	mm	in.	mm	psi	lb./ft.
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.

F5™ Air 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

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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		
Blue	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.

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)

1¼"-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

Equipment

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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

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.

Braidaire™



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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

Branding

Example: Continental ContiTech Braidaire™ 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" - 1 1/2")

Braidaire™

SAP #	ID	Nom. OD		Max. WP		Weight		
Red	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	1 1/4	31.8	1.80	45.7	300	2.07	0.75	1.12
20023169	1 1/2	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.

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		
Black	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

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Arctic Ortac®



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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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		
Black	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	1 1/4	31.8	1.80	45.7	300	2.07	0.74	1.10
20125302	1 3/8	34.9	1.97	50.0	300	2.07	0.92	1.37
20116618	1 1/2	38.1	2.09	53.1	300	2.07	1.01	1.50

Hose design ratio (burst pressure) 4:1.

Flexsteel® Service Station Air



Product Specifications

Application

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

Packaging

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

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

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)

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Flexsteel® Service Station Air

SAP #		ID		Nom. OD		Max. WP		Weight	
Red	Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
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

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Service Station Air



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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Coupling Systems

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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		
Red	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.

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

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

Hose design ratio (burst pressure) 5:1.

Welding

Coupling Systems

Equipment

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Nitrogen Service 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

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Coupling Systems

Equipment

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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.

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 Ω 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
Specialty	20836450	1/4	6.4	0.56	14	479	3.3	1	25	0.13	0.19
Steam	20836451	5/16	7.9	0.63	16	479	3.3	1.34	35	0.15	0.23
Vacuum	20836452	3/8	9.5	0.69	18	479	3.3	1.56	40	0.18	0.26
Water	20836453	1/2	12.7	0.88	22	479	3.3	2.19	55	0.25	0.37
Discharge	20836454	5/8	15.9	0.98	25	261	1.8	2.56	65	0.29	0.43
Suction & Discharge	20836455	3/4	19.1	1.14	29	261	1.8	3.38	85	0.60	0.90
Washdown	20836456	1	25.4	1.44	37	479	3.3	4.5	115	0.57	0.84
Garden	20836457	1 1/4	31.8	1.75	44	479	3.3	7.5	190	0.63	0.9
Welding	20836458	1 1/2	38.1	2.00	51	479	3.3	9.06	230	0.77	1.15
Coupling Systems	20836459	2	50.8	2.5	64	479	3.3	11.81	300	1.08	1.61
Equipment	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.

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 < 10^6 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.

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Push-on

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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
Washdown
Garden

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Heavy Duty



Air & Multipurpose
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	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		
Ultrabraid 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.

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Vacuum

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Super Ortac®



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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
1 1/4"-1 1/2" - 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		
Yellow	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	1 1/4	31.8	1.75	44.5	1000	6.9	0.86	1.28
20024074	1 1/2	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.

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

> Reinforcement

One braided steel wire (1/2"-1½")

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"-1½"), MSHA 2G-IC-14C/38

	SAP #	ID	Nom. OD		Max. WP		Weight			
			in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Specialty	20174720	1/2	12.7	0.91	23.1	750	5.17	0.34	0.51	
Steam	20174724	3/4	19.1	1.14	29.0	750	5.17	0.45	0.67	
Vacuum	20174775	1	25.4	1.45	36.6	750	5.17	0.66	1.00	
Water	20174776	1¼	31.8	1.81	46.0	500	3.45	0.98	1.46	
	20317183	1½	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
Coupling Systems	20316409	2	50.8	2.66	67.6	500	3.45	1.59	2.36	
Equipment	20317186	2½	63.5	3.33	84.6	500	3.45	2.63	3.91	
Appendix	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

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Heavy Duty
Push-on

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Liquid Transfer
Washdown

Marine

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Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
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Rig Supply
Transfer Discharge
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Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
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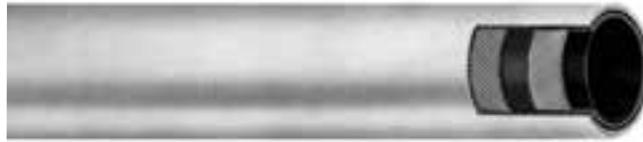
Appendix

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.

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

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

Hose design ratio (burst pressure) 4:1.

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Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock

Rig Supply

Transfer Discharge
Transfer S&D

Specialty

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Vacuum

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Plicord® Air 400



Air & Multipurpose
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Specialty

Steam

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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)

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	1 1/4	31.8	1.79	45.5	400	2.76	0.74	1.10
20018828	20018885	20149334	1 1/2	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	2 1/2	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.

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 (1 1/4"-4")

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 (1 1/4" - 4")

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Prospector™ Plus Air

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

Hose design ratio (burst pressure) 4:1.

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Prospector™ Air



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Specialty

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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 (1 1/4"-3")

Temperature Range

-40°F to 220°F (-40°C to 104°C)

Prospector™ Air

SAP #	ID	Nom. OD		Max. WP		Weight		
Yellow	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	1 1/4	31.8	1.66	42.2	300	2.07	0.58	0.86
20020471	1 1/2	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	2 1/2	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.

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.

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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

Chemivic 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 Carbrym™ 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)

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Specialty

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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.

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 Heavy Duty
 Push-on

Chemical Transfer

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 Liquid Transfer
 Washdown

Marine

Material Handling
 Abrasives
 Bulk Transfer
 Cement & Concrete

Mining

Petroleum
 Aircraft Fueling
 Dispensing

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 Rig Supply
 Transfer Discharge
 Transfer S&D

Specialty

Steam

Vacuum

Water
 Discharge
 Suction & Discharge
 Washdown
 Garden

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Insta-Grip™ 300



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

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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)

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



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

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

> Cover

Red, black, or green Chemivic, 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	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.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

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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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.
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

Chemivic 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

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

Temperature Range

-40°F to 210°F (-40°C to 99°C)

Insta-Grip™ TC

SAP #	ID	Nom. OD		Max. WP		Bend Radius		Weight			
	Black	in.	mm	in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m
Specialty	20022593	1/4	6.4	0.50	12.7	300	2.07	3	64	0.08	0.12
Steam	20022595	5/16	7.9	0.56	14.2	300	2.07	3	76	0.09	0.13
Vacuum	20022597	3/8	9.5	0.64	16.3	300	2.07	3	76	0.11	0.16
Water	20022600	1/2	12.7	0.75	19.1	300	2.07	5	127	0.13	0.19
Discharge	20022602	5/8	15.9	0.91	23.1	300	2.07	6	152	0.19	0.28
Suction & Discharge	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

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Chemical 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

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	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.

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®

Specialty	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
Steam	Blue	20018637	1/2	12.7	0.97	24.6	200	1.38	3	76	29	737	0.37	0.55
Vacuum		20018639	3/4	19.1	1.11	28.2	200	1.38	5	127	29	737	0.56	0.83
Water		20018642	1	25.4	1.52	38.6	200	1.38	8	191	29	737	0.71	1.06
Discharge		20018644	1 1/4	31.8	1.73	43.9	200	1.38	11	279	29	737	0.84	1.25
Suction & Discharge		20018647	1 1/2	38.1	2.13	54.1	200	1.38	14	356	29	737	1.24	1.85
Washdown		20018650	2	50.8	2.69	68.3	200	1.38	18	457	29	737	1.71	2.54
Garden		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

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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		
Black	in.	mm	in.	mm	psi	MPa	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	1 1/4	32.0	1.6	42.3	200	1.38	3	76.2	29	737	0.55	0.82
20408870	1 1/2	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	2 1/2	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

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Viper™



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 Coupling 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		
Black	in.	mm	in.	mm	psi	MPa	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 Specular® 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")

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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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Green XLPE

SAP #	ID	Nom. OD		Max. WP		Bend Radius	Vacuum HG		Weight			
Green	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	1 1/4	31.8	1.73	43.9	150	1.03	9	229	29	737	0.66	0.98
20018697	1 1/2	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	2 1/2	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.

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				1 1/4	31.8	1.73	43.9	200	1.38	4	102	29	737	0.73 1.09
20018488	20674040	20385256		1 1/2	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				2 1/2	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.

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
20936107	1	25.4	1.48	37.7	200	1.38	4	102	29	737	0.60
20936140	1½	38.1	1.98	50.4	200	1.38	5	127	29	737	0.84
20936141	2	50.8	2.55	64.7	200	1.38	6	152	29	737	1.20
20936142	3	76.2	3.64	92.5	200	1.38	9	229	29	737	2.14
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

Specialty	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
Steam	20916950	2	50.8	2.79	70.9	150	1.03	12	305	23	584	1.22	1.81
Vacuum	20916951	3	76.2	3.81	96.7	150	1.03	18	457	23	584	1.73	2.56
Water	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
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		
Brown	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20524365	1	25.30	1.42	36.00	150	1.03	1.50	38.10	29	737	0.50	0.75
20524366	1 1/4	32.00	1.63	41.50	150	1.03	2.00	50.80	29	737	0.57	0.85
20668438	1 1/2	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

Specialty	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
Steam	20524360	1½	38.00	1.92	48.70	150	1.03	2.25	57.20	29	737	0.73	1.09
Vacuum	20524361	2	51.20	2.44	61.90	150	1.03	3.00	76.00	29	737	0.95	1.42
Water	20524362	3	76.10	3.54	89.80	150	1.03	4.50	114.0	29	737	1.76	2.62
Discharge	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.



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

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 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.

Order Codes

546-069

541-069 (custom lengths with fittings)

Brown Flexwing®

SAP #	ID	Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight		
Brown	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	1 1/4	31.8	1.69	42.8	150	1.03	4.5	114	29	737	0.65	0.97
20018569	1 1/2	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	2 1/2	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

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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		
Purple	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			
Orange	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	1 1/4	31.8	1.73	43.9	150	1.03	4	102	29	737	0.79	1.18
20014915	1 1/2	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	2 1/2	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

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Blue Flexwing®



Product Specifications

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 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)

Continental ContiTech Blue Flexwing® Chemical Transfer with Specclar® 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		
Blue	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
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	
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	
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	
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	
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



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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

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

Temperature Range

-40°F to 140°F (-40°C to 60°C)

DEF Transfer Hose - Hand Built

SAP #	ID		Nom. OD		Max. WP	Bend Radius		Vacuum HG		Weight	
	in.	mm	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.

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.

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Packaging

100' lengths

Branding

Continental ContiTech DEF Transfer Hose 1 1/2" (38.1 mm) Made in USA

Order Codes

532-019

Construction

> Tube

Specially formulated low-extraction EPDM, peroxide cured

> Cover

Black specially formulated EPDM

> Reinforcement

Two-braid textile

DEF Transfer Hose - Braided

SAP #	ID		Nom. OD		Max. WP		Weight	
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20531743	1 1/2	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

Welding

Coupling Systems

Equipment

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

Braids 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"

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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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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
20836398	1/2	12.7	0.94	23	232	1.6	2 3/4	70	29	737	0.27
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
20836401	1 1/4	31.8	1.75	44	232	1.6	5	125	29	737	0.74
20836402	1 1/2	38	2.00	51	232	1.6	6	150	29	737	1.10
20836403	2	50.8	2.63	66	232	1.6	8	200	29	737	1.50
20836405	3	75	3.56	91	232	1.6	12	300	29	737	2.30
20836406	4	100	4.56	116	232	1.6	16	400	29	737	3.10
											4.60

Hose design ratio (burst pressure) 4:1.

Cleaning Equipment



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer

Cement & Concrete

Mining

Petroleum

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	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

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 Carbry™ 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 Carbrym™ 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
	20024000	3/8	9.5	0.69	17.5	4500	31.03	0.27	0.40
	20048788	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 Carbrym™ 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 Carbry™ 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

Specialty	SAP #		ID		Nom. OD		Max. WP		Weight		
	Black	Yellow	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam	20023338	20045137		1/4	6.4	0.59	15.0	1500	10.34	0.11	0.16
Vacuum	20023339	20023331		3/8	9.5	0.75	19.1	1500	10.34	0.18	0.27
Water	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

Steam
Vacuum
Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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.

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

Specialty	SAP #	ID	Nom. OD		Max. WP		Weight			
	Black	Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam			20069357	1/4	6.4	0.54	13.7	4500	31.03	0.20
Vacuum			20023741	20024005	3/8	9.5	0.69	17.5	4500	31.03
Water Discharge			20023757		1/2	12.7	0.82	20.8	4500	31.03

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

Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

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Neptune™ 4001-R



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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.

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

Appendix

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)

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

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SpiraFlow®



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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

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.

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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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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.

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

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		Dry or Page	Liquid	Temp. Range	Beer/ Wine	Dairy	Thermo- Clear plastic	3-A, FDA, Rubber	Static NSF 61	Helical Wire
Marine	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
Material Handling	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
	Nutriflo S&D	83	Both	-15°F to 158°F (-26°C to 70°C)	Yes	Yes	Yes	Yes	Yes	Yes
Aircraft Fueling	Plicord Blue Flour	88	Dry	-40°F to 180°F (-40°C to 82°C)				Yes	FDA	Yes
Dispensing	Plicord ExtremeFlex Food Grade	77	Both	-25°F to 212°F (-32°C to 100°C)		Yes		Yes	Yes	Yes
Dock	Plicord Gray Food	80	Both	-25°F to 230°F (-32°C to 110°C)		Yes		Yes	Yes	Yes
Rig Supply	Spirathane PT	149	Dry	0°F to 158°F (-18°C to 70°C)		Yes	Yes		FDA	Yes
Transfer Discharge	Tan Flextra	84	Dry	-40°F to 180°F (-40°C to 82°C)						Yes
Transfer S&D	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-corrigated 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 Chemivic synthetic rubber (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03)

> Cover

White or gray Chemivic 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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™ 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.



White Flexwing®



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

> Cover

White Chemiciv 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
Transfer Discharge	20019284	3/4	19.1	1.20	30.5	150	1.03	2	51	29	737	0.47	0.70
Transfer S&D	20019286	1	25.4	1.44	36.6	150	1.03	3	76	29	737	0.57	0.85
Specialty	20019287	1 1/4	31.8	1.70	43.2	150	1.03	4	102	29	737	0.69	1.03
Steam	20019289	1 1/2	38.1	1.97	50.0	150	1.03	4	102	29	737	0.86	1.28
Vacuum	20019292	2	50.8	2.53	64.3	150	1.03	5	114	29	737	1.23	1.83
Water Discharge	20019296	2 1/2	63.5	3.10	78.7	150	1.03	6	146	29	737	1.81	2.69
Suction & Discharge	20019297	3	76.2	3.60	91.4	150	1.03	7	178	29	737	2.16	3.21
Washdown Garden	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.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer
Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply

Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water Discharge

Suction & Discharge
Washdown
Garden

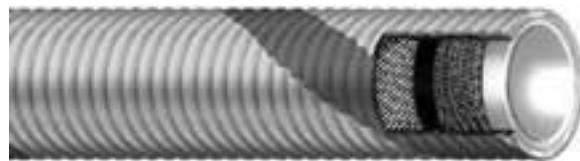
Welding

Coupling Systems

Equipment

Appendix

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

Temperature Range

-25°F to 212°F (-32°C to 100°C)

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

Gray Flextra® LT

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
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.

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.

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

Specialty	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
Steam	20020211	1	25.4	1.45	36.7	150	1.03	1.03	3	75	29	737	0.58	0.86
Vacuum	20020212	1½	38.1	1.97	50.0	150	1.03	1.03	4	102	29	737	0.85	1.26
Water	20020214	2	50.8	2.59	65.8	150	1.03	1.03	5	114	29	737	1.42	2.11
Discharge	20020216	2½	63.5	3.09	78.5	150	1.03	1.03	6	152	29	737	1.77	2.63
Suction & Discharge	20020217	3	76.2	3.59	91.2	150	1.03	1.03	7	178	29	737	2.10	3.13
Washdown	20020219	4	101.6	4.68	118.9	150	1.03	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

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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
20050287	1 1/4	31.8	1.56	39.6	50	0.34	3	76	29	737	0.29	0.43
20013602	1 1/2	38.1	1.88	47.8	50	0.34	4	102	29	737	0.37	0.55
20119161	1 3/4	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	2 1/2	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.

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.

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

Specialty	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
Steam	20013300	20013338	1	25.4	1.30	33.0	60	0.41	2	51	29	737	0.23	0.34
Vacuum	20013303	20013339	1½	31.8	1.56	39.6	50	0.34	3	76	29	737	0.28	0.42
Water	20013306	20013340	1½	38.1	1.88	47.8	50	0.34	4	102	29	737	0.33	0.49
Discharge	20013309	20013341	2	50.8	2.43	61.7	40	0.28	4	102	29	737	0.50	0.74
Suction & Discharge	20013311	20013342	2½	63.5	3.05	77.3	35	0.24	5	127	29	737	0.86	1.28
Washdown	20013313	20013343	3	76.2	3.56	90.4	35	0.24	7	178	29	737	1.02	1.52
Garden	20013315	20013344	4	101.6	4.71	119.6	35	0.24	10	254	29	737	1.64	2.44
Welding		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

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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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	1/4	31.8	1.55	39.4	99	0.68	5	127	29	737	0.36	0.54
20013279	20013331	1/2	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	2 1/2	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.

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	psi	MPa	in.	mm	in.	mm
20790761	2	50.8	2.60	66.0	75	0.52	4	102	29	737	1.21
20790762	3	76.2	3.63	92.2	75	0.52	6	152	29	737	1.94
20790763	4	101.6	4.69	119.1	75	0.52	9	229	29	737	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

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		
Blue	in.	mm	in.	mm	psi	MPa	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

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Harvest®

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
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

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer

Cement & Concrete

Mining

Petroleum

- Aircraft Fueling
- Dispensing
- Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Application

Plicord® Blue Flour is primarily for dry food transfer. Use it for tank truck or in-plant service hose 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		
	Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam	20019792	2	50.8	2.68	68.1	150	1.03	1.39	2.07
Vacuum	20019794	3	76.2	3.69	93.7	150	1.03	2.02	3.01
Water	20019795	4	101.6	4.71	119.6	150	1.03	2.63	3.91
Discharge	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.

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Food - Liquid Transfer



	Dry or Page	Liquid	Temp. Range	Beer/ Wine	Dairy	Thermo- Clear plastic	3-A, FDA, Rubber	NSF 61	Static 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 Wineline	95	Liquid	-40°F to 220°F (-40°C to 104°C)	Yes			Yes	Yes		
Pliovic 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	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	in.	mm
20776605	1	25.4	1.52	38.7	250	1.72	2	51	29	737	0.65
20762754	1½	38.1	2.03	51.6	250	1.72	3	76	29	737	0.93
20752524	2	50.8	2.54	64.5	250	1.72	4	102	29	737	1.21
20762758	3	76.2	3.60	91.5	200	1.38	6	152	29	737	2.03
20762760	4	101.6	4.61	117	150	1.03	8	203	29	737	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 Chemivic (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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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.
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.

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.

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

Temperature Range

-40°F to 150°F (-40°C to 66°C)

Maximum Alcohol Concentrate

100% pure volume

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.	kg/m
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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™

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
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.

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
Steam	20020354	1	25.4	1.62	41.1	250	1.72	3	76	27	686	0.71	1.06
Vacuum	20020356	1½	38.1	2.11	53.6	250	1.72	4	102	27	686	0.98	1.46
Water	20020361	2	50.8	2.68	68.1	250	1.72	7	178	27	686	1.38	2.05
Discharge	20020362	2½	63.5	3.21	81.5	250	1.72	10	254	27	686	1.78	2.65
Suction & Discharge	20020365	3	76.2	3.81	96.8	250	1.72	12	305	27	686	2.80	4.17
Washdown	20905070	4	101.6	4.88	124	250	1.72	24	610	27	686	3.50	5.21
Garden													
Welding													
Coupling Systems													
Equipment													
Appendix													

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

Plicord® Wineline®



Product Specifications

Application

Plicord® Wineline® 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® Wineline®
250 psi FDA 3-A USDA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-887

Plicord® Wineline®

SAP #	ID	Nom. OD		Max. WP		Vacuum HG		Weight		
White	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

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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®



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-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

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		
Red	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.

Equipment

Appendix

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.	kg/m	
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

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

Construction

> Tube

Special tube material that is listed on NSF61 board

Order Codes

542-087

> 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)

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
20576715	1/2	12.7	9.913	23.2	200	1.38	3.0	76	29	737	0.29
20425738	3/4	19.1	1.201	30.5	200	1.38	4.0	102	29	737	0.44
20425739	1	25.4	1.455	36.9	200	1.38	4.0	102	29	737	0.57
20425740	1 1/4	31.8	1.704	43.4	200	1.38	4.0	102	29	737	0.68
20425741	1 1/2	38.1	1.954	49.6	200	1.38	5.0	127	29	737	0.80
20425742	2	50.8	2.517	63.9	200	1.38	6.0	152	29	737	1.15
20425743	3	76.2	3.611	91.7	200	1.38	9.0	229	29	737	2.06
20425744	4	101.6	4.620	117.4	200	1.38	10.0	254	29	737	4.04

Hose design ratio (burst pressure) 4:1.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

Potable Water

SAP #	ID	Nom. OD		Max. WP		Weight		
Blue	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"

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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®

SAP #	ID		Nom. OD		Max. WP		Bend Radius		Length		Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm	ft.	lb./ft.	kg/m	
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.

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®

	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.	kg/m	
Specialty	20836389	1 1/2	38.1	1 15/16	49	87	0.6	3	76	131	21	532	0.81	1.20
Steam	20836390	1 9/16	39.7	2	51	87	0.6	3 1/8	80	131	21	532	0.87	1.30
Vacuum	20836391	1 3/4	44.5	2 3/16	56	87	0.6	3 9/16	90	131	21	532	0.94	1.40
Water	20836392	2	50.8	2 3/8	61	87	0.6	3 15/16	100	100	21	532	1.01	1.50
Discharge	20836393	2 1/8	54.0	2 1/2	64	87	0.6	4 3/16	106	131	21	532	1.08	1.60
Suction & Discharge	20836394	2 1/2	63.5	3	75	87	0.6	4 15/16	126	131	12	304	1.48	2.20
Washdown	20836395	2 5/8	66.7	3 1/8	79	87	0.6	5 1/2	140	131	12	304	1.68	2.50
Garden	20836396	3	76.2	3 1/2	89	87	0.6	6 11/16	170	100	12	304	2.02	3.00
Welding	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

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

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

Blaudieck® 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. Blaudieck® 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 Blaudieck® FDA glass/fork symbol BfR EG 1935/2004 2023/2006 Made in Germany" spirally applied

Blaudieck® LGD

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

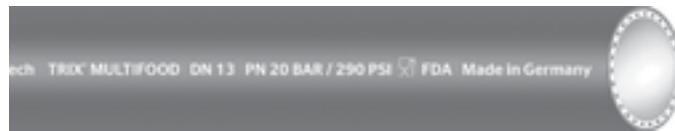
Welding

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
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)

Pliovic® FG (FDA-3A)

SAP #	ID	Nom. OD		Max. WP		Weight		
Clear	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	1 1/4	31.75	1.72	43.6	125	0.86	0.60	0.89
20463340	1 1/2	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

Air & Multipurpose	Chemivic	Pureten	Pureten	Chlorobutyl	Pliovic
General Purpose	White	Tan	White	White	Clear
Heavy Duty	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	Wineline, Brewline, Vintner	Pliovic FG, Nutriflo, Nutriflex, Nutriflex SW
Push-on					
Chemical Transfer					
Cleaning Equipment					
Food					
Dry Transfer					
Liquid Transfer					
Washdown					
Marine					
Material Handling					
Abrasives					
Bulk Transfer					
Cement & Concrete					
Mining					
Petroleum					
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					
(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

Carbry™ 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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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® 3000

SAP #	ID	Nom. OD		Max. WP		Weight		
Yellow	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.

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.

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)

Construction

> Tube

Nitrile synthetic rubber

> Cover

Carbry™ 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)

Fortress® 1000

SAP #	ID	Nom. OD		Max. WP		Weight		
Yellow	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Water Discharge Suction & Discharge Washdown Garden	20451915	1/4	6.4	0.59	15.0	1000	6.9	0.12
	20139345	3/8	9.5	0.75	19.1	1000	6.9	0.18
	20141359	1/2	12.7	0.86	21.8	1000	6.9	0.20
Welding	20141420	3/4	19.1	1.20	30.5	1000	6.9	0.42

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

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 Carbrym™ 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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 FDA Compliant White Tube

SAP #	ID	Nom. OD		Max. WP		Weight		
Blue	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.

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.

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

Construction

> Tube

Black nitrile synthetic rubber

> Cover

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

> Reinforcement

Spiral synthetic yarn

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)

Temperature Range

-20°F to 210°F (-29°C to 99°C)

Fortress® 300

SAP #	ID	Nom. OD		Max. WP		Weight		
Yellow	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 Chemivic synthetic rubber, ARPM Class A (High Oil Resistance)

> Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 210°F (-29°C to 99°C)

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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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.

Construction

> Tube

White FDA compliant EPDM

> Cover

White EPDM with Microban® product protection

> Reinforcement

Spiral textile reinforcement

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

Order Codes

569-122

Sani-Wash™ Supreme 300

SAP #	ID	Nom. OD		Weight		
White	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

Coupling Systems

Equipment

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)

Super Sani-Wash™ 300

SAP #	ID	Nom. OD	Max. WP		Weight			
White	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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™ 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).

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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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

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 in.	ID mm	Nom. OD in.	Nom. OD mm	Color
Petroleum	20875950	0.18	4.5	1/2	13.0	Blue
Aircraft Fueling	20875951	0.22	5.5	3/4	19.0	Blue
Dispensing	20875952	0.24	6.0	1	25.0	Blue
Dock	20875953	0.24	6.0	1 1/4	32.0	Blue
Rig Supply	20875954	0.35	9.0	1 1/2	38.0	Blue
Transfer Discharge	20875955	0.35	9.0	1 9/16	40.0	Blue
Transfer S&D	20875956	0.31	8.0	2	50.0	Blue
Specialty	20875957	0.39	10.0	2	50.0	Blue
Steam	20875958	0.31	8.0	2 5/8	65.0	Blue
Vacuum	20875959	0.47	12.0	2 5/8	65.0	Blue
Water	20875960	0.31	8.0	3	75.0	Blue
Discharge	20875961	0.47	12.0	3	75.0	Blue
Suction & Discharge	20875962	0.31	8.0	3 1/8	80.0	Blue
Washdown	20875963	0.55	14.0	3 1/8	80.0	Blue
Garden	20875964	0.35	9.0	4	100.0	Blue
Welding	20875965	0.59	15.0	4	100.0	Blue

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.*

Packaging

1/2"-5½" - 50' exact length, coiled and poly-wrapped
6"-8" - 25' exact length, poly-wrapped

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

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-193 (>6")

543-193 (<6")

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).

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

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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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.	kg/m
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 pant. 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).

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

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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Plicord® Softwall Wet Exhaust

SAP #	ID	Nom. OD		Max. WP		Weight		
Black	in.	mm	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

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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

Chemivic 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
Specialty	20050850	1 1/4	31.8	1.70	43.2	100	0.69	29	737	0.68	1.01
Steam	20017852	1 1/2	38.0	1.86	47.1	100	0.69	29	737	0.65	0.97
Vacuum	20017855	1 7/8	47.6	2.30	58.4	100	0.69	29	737	0.96	1.43
Water	20095640	2	50.8	2.43	61.7	50	0.34	29	737	1.01	1.50
	20017857	2 3/8	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	
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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				
Black	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 Chemivic 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		
Black	in.	mm	in.	mm	lb./ft.	kg/m	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

Welding

Coupling Systems

Equipment

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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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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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		

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

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

Temperature Range

0°F to 115°F (-18°C to 46°C)

Packaging

500'-750', maximum 3 pieces, minimum length 35'

Marine Fuel Feed Vent Hose Type B2

Specialty	SAP #	ID	Nom. OD		Max. WP		Weight		
		in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam	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
Water	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
Suction & Discharge Washdown Garden	20028810	5/8	15.9	0.96	24.4	34	0.23	0.19	0.28

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
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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. kg/m
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.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 (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	1 1/4	31.8	2.16	54.9	150	1.03	1.26	1.88
20018982	20673585	1 1/2	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	1 1/4	31.8	2.16	54.9	150	1.03	1.31	1.95
20019040	1 1/2	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.

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-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® 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		
Black	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		
Black	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.

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®)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™

SAP #	ID	Nom. OD	Max. WP	Bend Radius	Vacuum HG		Weight
					in.	mm	
Black Pureten	Tan Pureten	Black Chemituf® Compound	w/ Survivor®	in.	mm	in.	mm
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.

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	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

1½"-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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

SAP #	ID	Nom. OD		Max. WP		Weight		Vacuum HG		Bend Radius		Length		
Black		in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m	in.	mm	in.	mm	ft.
20448195	1¼	31.8	160	40.7	45	0.31	0.35	0.52	29	737	3.0	76	100	
20448194	1½	38.1	187	47.4	40	0.28	0.39	0.58	29	737	3.0	76	100	
20448193	2	50.8	246	62.5	40	0.28	0.67	0.99	29	737	2.5	63	100	
20448192	2½	63.5	303	77.0	35	0.24	0.90	1.33	29	737	4.0	101	100	
20448191	3	76.2	360	91.5	30	0.21	1.17	1.73	29	737	6.0	152	100	
20448190	4	101.6	474	120.5	30	0.21	1.97	2.91	29	737	7.0	177	100	
20447689	5	127.0	581	147.5	30	0.21	2.58	3.82	29	737	8.0	203	100	
20452698	6	152.4	689	175.0	25	0.17	3.32	4.91	29	737	8.0	203	20	
20452697	6	152.4	689	175.0	25	0.17	3.32	4.91	29	737	8.0	203	50	
20447688	6	152.4	689	175.0	25	0.17	3.32	4.91	29	737	8.0	203	100	
20447687	8	203.2	913	232.0	20	0.14	5.66	8.38	29	737	18.0	456	20	
20450354	8	203.2	913	232.0	20	0.14	5.66	8.38	29	737	18.0	456	50	
20447686	10	254.0	1116	283.5	20	0.14	7.86	11.63	29	737	36.0	912	20	
20460651	10	254.0	1116	283.5	20	0.14	7.86	11.63	29	737	36.0	912	40	

Hose design ratio (burst pressure) 3:1.

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.

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)

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)

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
Steam	20013527		1/4	31.8	1.63	41.4	45	0.31	3.0	76	29	737	0.34	0.51
Vacuum	20013528	20762598	1½	38.1	1.89	48.0	40	0.28	3.0	76	29	737	0.40	0.60
Water	20013529	20762599	2	50.8	2.47	62.7	40	0.28	2.5	63	29	737	0.67	1.00
Discharge	20013531		2½	63.5	3.05	77.5	35	0.24	4.0	101	29	737	0.87	1.29
Suction & Discharge	20013532	20358269	3	76.2	3.69	93.7	30	0.21	6.0	152	29	737	1.16	1.73
Washdown	20013533	20247316	4	101.6	4.81	122.2	30	0.21	7.0	177	29	737	2.16	3.21
Garden	20013539		5	127.0	5.78	146.8	30	0.21	8.0	203	29	737	2.60	3.87
Welding	20013545	20247315	6	152.4	7.08	179.8	25	0.17	8.0	203	29	737	3.43	5.10
Coupling Systems	20013552		8	203.2	9.22	234.2	20	0.14	18.0	456	29	737	5.84	8.69
Equipment	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.

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)

Diversiflex™

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
20212864	4	101.6	4.88	124.0	75	0.52	0.52	20	508	29	737	3.43	5.10
20116642	5	127.0	6.25	158.5	75	0.52	0.52	25	635	29	737	6.32	9.41
20325641	6	152.4	6.92	175.8	75	0.52	0.52	36	914	29	737	5.84	8.69
20268121	6½	168.3	7.60	193.0	75	0.52	0.52	40	1016	29	737	7.04	10.48
20015474	8	203.2	9.05	229.9	75	0.52	0.52	48	1219	29	737	9.22	13.72
20031577	8½	219.2	9.69	246.1	75	0.52	0.52	52	1321	29	737	10.82	16.10
20316082	10	254.0	11.04	280.4	75	0.52	0.52	60	1524	29	737	12.04	17.92
20587462	12	304.8	13.16	334.3	75	0.52	0.52	72	1829	29	737	16.38	24.38
20646669	12¾	323.9	13.91	353.3	75	0.52	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

Specialty	SAP #*	ID	Nom. OD	Max. WP	Bend Radius	Vacuum HG	Weight								
	1/4"	1/4"	3/8"	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
Steam	20469185	20609650	2	50.8	2.91	73.9	75	0.52	12	304.80	29	736.6	1.98	2.95	
Vacuum	20258672		2½	63.5	3.39	86.1	75	0.52	15	381.00	29	736.6	2.44	3.64	
Water	20308540	20015308	3	76.2	3.89	98.8	75	0.52	18	457.20	29	736.6	2.99	4.46	
Discharge	20269761	20613574	20015309	4	101.6	4.91	124.7	75	0.52	24	609.60	29	736.6	3.79	5.65
Suction & Discharge	20014880	20320682	20015310	4½	114.3	5.50	139.7	75	0.52	27	685.80	29	736.6	4.74	7.06
Washdown	20269636		5	127.0	6.44	163.6	75	0.52	30	762.00	29	736.6	5.48	8.17	
Garden	20421310	20015288	20015313	6	152.4	7.13	181.1	75	0.52	36	914.40	29	736.6	7.33	10.92
Welding	20268296	20015290		6½	168.3	7.78	197.6	75	0.52	39.7	1009.65	29	736.6	8.36	12.46
Coupling Systems	20472389	20015291	20015315	8	203.2	9.19	233.4	75	0.52	48	1219.20	29	736.6	10.48	15.62
Equipment	20731114		8½	219.1	9.75	247.6	75	0.52	51.75	1314.45	29	736.6	11.43	17.03	
Appendix	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™.

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	6½	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	8½	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™.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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.

Packaging

Poly-wrapped

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

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

Temperature Range

-25°F to 180°F (-32°C to 82°C)

Order Codes

541-015

Flexible Downspout

	SAP #	ID	Nom. OD		Max. WP		Weight		
	25 ft. length	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Specialty	20014797	4	101.6	4.41	111.9	50	0.34	1.28	1.89
Steam	20014798	4½	114.3	4.90	124.5	50	0.34	1.46	2.17
Vacuum	20014801	6	152.4	6.40	162.6	35	0.24	1.92	2.86
Water	20014804	6½	168.3	7.02	178.3	35	0.24	2.11	3.14
Discharge	20014808	8	203.2	8.40	213.4	25	0.17	2.54	3.78
Suction & Discharge	20014809	8½	219.1	8.99	228.4	25	0.17	2.72	4.05
Washdown	20014810	10	254.0	10.38	263.7	20	0.14	3.15	4.69
Garden	20025244	10¾	273.1	11.23	285.2	20	0.14	3.84	5.71
Welding	20014811	12	304.8	12.46	316.5	15	0.10	4.28	6.37
Coupling Systems	20014812	12¾	323.9	13.21	335.5	15	0.10	4.54	6.76
Equipment	20014813	14	355.6	14.56	369.9	15	0.10	4.91	7.32
Appendix	20014816	16	406.4	16.53	419.9	10	0.07	5.59	8.33

Hose design ratio (burst pressure) 4:1.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™

SAP #	ID	Nom. OD		Bend Radius		Vacuum HG		Weight	
		in.	mm	in.	mm	in.	mm	lb./ft.	kg/m
20435817	6	152.4	6.91	175.4	12	305	29	737	6.40
20435818	8	203.4	8.91	226.5	16	406	29	737	8.40
20435850	10	254.0	10.96	281.9	20	508	29	737	11.8
									4.69

Hose design ratio (burst pressure) 4:1.

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 in. mm	Max. WP psi MPa	Radius in. mm	Weight lb./ft. kg/m	Bend	
	Black	(1/2)	(3/4)	(1/2)	(3/4)									
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.

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")

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

SAP #	ID	Nom. OD	Max. WP	Weight				
Blue	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.

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	in.	mm	lb./ft.	kg/m
Specialty	20371749	20015144		4	101.6	5.31	134.9	40	1016	30	762	5.71	8.50
Steam	20029485	20015145		5	127.0	6.98	177.3	46	1168	30	762	9.47	14.09
Vacuum	20207629		20113822	6	152.4	7.54	191.5	52	1321	30	762	11.35	16.89
Water	20176213			6½	168.3	8.20	208.3	55	1397	30	762	13.96	20.77
Discharge	20219625	20015150		8	203.2	9.63	244.6	62	1575	30	762	16.93	25.19
Suction & Discharge	20291577		20150200	8½	219.1	10.25	260.4	68	1727	30	762	17.85	26.56
Washdown	20418594	20015155		10	254.0	11.81	300.0	76	1930	30	762	23.94	35.63
Garden	20015186		20015160	10¾	273.1	12.63	320.8	82	2083	30	762	25.68	38.22
Welding	20221702	20015164		12	304.8	13.91	353.3	91	2311	30	762	28.95	43.08
Coupling Systems	20015191	20174216	20015171	12¾	323.9	14.59	370.6	94	2388	30	762	29.98	44.61

Hose design ratio (burst pressure) 4:1.

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

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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
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.

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.

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	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
Specialty	20013134	1½	38.1	1.86	47.2	50	0.34	4	99	29	737	0.34	0.51
Steam	20013137	2	50.8	2.47	62.7	50	0.34	6	140	29	737	0.63	0.94
Vacuum	20013138	2½	63.5	3.12	79.3	50	0.34	7	178	29	737	0.95	1.41
Water	20013141	3	76.2	3.64	92.5	40	0.28	8	203	29	737	1.37	2.04
Discharge	20013144	4	101.6	4.77	121.2	35	0.24	14	356	29	737	1.98	2.95
Suction & Discharge	20013146	5	127.0	5.83	148.1	30	0.21	20	508	29	737	2.41	3.59
Washdown	20013149	6	152.4	6.84	173.7	23	0.16	25	635	25	635	3.08	4.58
Garden	20013150	8	203.2	8.75	222.3	20	0.14	48	1219	25	635	4.53	6.74
Welding	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

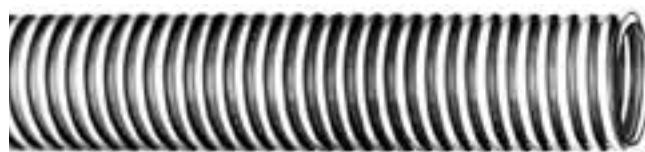
Welding

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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
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.

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		
Clear	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
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.

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.	kg/m
Specialty	20421726	1½	38.1	2.11	53.6	75	0.52	4	89	29	737	1.03	1.53
Steam	20019229	2	50.8	2.63	66.8	75	0.52	4	102	29	737	1.29	1.92
Vacuum	20019230	3	76.2	3.69	93.7	75	0.52	6	152	29	737	2.15	3.20
Water	20019233	4	101.6	4.75	120.7	75	0.52	9	229	29	737	3.09	4.60
Discharge	20019234	5	127.0	5.78	146.9	75	0.52	20	500	29	737	4.16	6.20
Suction & Discharge	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	
	Black	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
Specialty	20020255	2	50.8	2.51	63.8	100	0.69	5	127	29	737	1.06	1.58
Steam	20020257	2½	63.5	3.00	76.2	100	0.69	6	152	29	737	1.35	2.01
Vacuum	20020260	3	76.2	3.53	89.7	100	0.69	7	178	29	737	1.84	2.74
Water	20020261	4	101.6	4.60	116.8	100	0.69	16	400	29	737	2.47	3.68
Discharge	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	
Coupling Systems	
Equipment	
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			
		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

Welding

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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-plied 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

Specialty	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
Steam	20762191	1½	3.81	2.04	51.7	100	0.69	4	101.6	29	737	0.94	1.40
Vacuum	20762192	2	50.8	2.55	64.8	100	0.69	5	127	29	737	1.24	1.85
Water	20762193	2½	63.5	3.06	77.8	100	0.69	6	152.4	29	737	1.67	2.49
Discharge	20762194	3	76.2	3.56	90.5	100	0.69	7	178	29	737	1.97	2.94
Suction & Discharge	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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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Spiraflex® Mulch Blower

SAP #	ID	Nom. OD		Max. WP		Bend Radius	Vacuum HG		Weight		
Clear	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.

Tan Flexwing®



Product Specifications

Application

Tan Flexwing® is for acids, alcohol bases and salt solutions.

Packaging

100' lengths, coiled and poly-wrapped

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

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

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Tan Flexwing®

	SAP #	ID	Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight		
	Tan	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
Specialty	20018549	1	25.4	1.61	40.9	150	1.03	3.5	89	29	737	0.75	1.12
Steam	20050636	1½	38.1	2.14	54.4	150	1.03	4.0	102	29	737	1.08	1.61
Vacuum	20018551	2	50.8	2.68	68.1	150	1.03	5.0	127	29	737	1.44	2.14
Water	20018555	3	76.2	3.75	95.3	150	1.03	7.0	178	29	737	2.32	3.45
Discharge	20018557	4	101.6	4.83	122.7	150	1.03	10.0	254	29	737	3.39	5.04
Suction & Discharge	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

Welding

Coupling Systems

Equipment

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		
Tan	in.	mm	in.	mm	psi	MPa	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

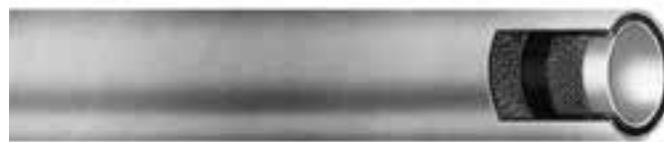
Welding

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Appendix

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		
Tan	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



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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

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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.

Packaging

50' lengths, coiled and poly-wrapped

Construction

> **Tube**

Black Chemituf®

> **Cover**

Black SBR with gray abrasion-resistant spiral strip

> **Reinforcement**

6 fabric plies with boot straps

Branding (Spiral)

Example: Continental ContiTech Auger Arc Piling

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-815

Temperature Range

-35°F to 180°F (-37°C to 82°C)

Plicord® Auger Arc Piling

SAP #	ID	Nom. OD		Max. WP		Weight		
Black	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

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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®)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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Allcrete® Textile

SAP #		ID		Nom. OD		Max. WP		Weight	
Black	Survivor® Compound	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		1½	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
	20673537 (50 ft.)								
20019947	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.

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.

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®)

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)

Allcrete® Wire

SAP #	ID	Nom. OD		Max. WP		Bend Radius		Weight			
		in.	mm	in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m
Specialty	Black	2	50.8	3.01	76.4	1233	8.5	9	275	2.75	4.10
Steam	20672114	2½	63.5	3.50	88.9	1233	8.5	12	300	3.28	4.92
Vacuum	20020019	3	76.2	3.98	101.3	1233	8.5	14	350	3.80	5.65
Water	20020022	4	101.6	5.02	127.4	1233	8.5	16	400	4.90	7.29
Discharge	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

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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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PGC Placement Textile

SAP #	ID	Nom. OD	Max. WP	Weight	
Black	in.	mm	psi	lb./ft.	kg/m
20560651	1	25.3	1233	8.5	0.58
20560652	1 1/4	32.0	1233	8.5	0.76
20528827	1 1/2	38.0	1233	8.5	0.87
20528900	2	51.2	1233	8.5	1.13
20528902	2 1/2	63.4	1233	8.5	1.59
20528904	3	76.1	1233	8.5	2.12
20560653	3 1/2	90.0	1233	8.5	2.63
20560654	4	102.0	1233	8.5	3.10

Hose design ratio (burst pressure) 2:1.

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		1 1/4	31.8	2.16	54.9	150	1.03	1.24	1.85	
20020274	20020282	20020287	1 1/2	38.1	2.43	61.7	150	1.03	1.48	2.20
20020277		20020290	1 5/8	41.3	2.58	65.5	150	1.03	1.60	2.38
			1 3/4	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

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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
1 1/4" - 500' reels or 50' cut lengths, 8 pieces per carton
1 1/2" - 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		
Yellow	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	1 1/4	31.8	1.75	44.5	1000	6.9	0.86	1.28
20024143	1 1/2	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.

Mining

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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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
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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Brigade™ Mine

SAP #	ID	Nom. OD	Max. WP	Weight				
Orange	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.

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		
Yellow	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20020003	1 1/4	31.8	1.59	40.5	100	0.69	6	152	29	737	0.48	0.72
20020005	1 1/2	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	2 1/2	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.

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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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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M&P Mine Conduit

SAP #	ID	Nom. OD	Weight		
Black	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.

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

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

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Plicord® Ammonium Nitrate Pellet

SAP #	ID	Nom. OD		Max. WP		Weight		
Black	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.

Mining

Petroleum

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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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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® Ammonium Nitrate HD

SAP #	ID	Nom. OD	Max. WP	Weight				
Black	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.

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

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)

Temperature Range

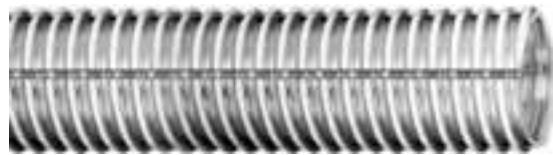
-40°F to 200°F (-40°C to 93°C)

Plicord® Mine Conduit

SAP #		ID	Nom. OD		Weight		
Black	Yellow	in.	mm	in.	mm	lb./ft.	kg/m
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
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
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
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
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
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
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
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

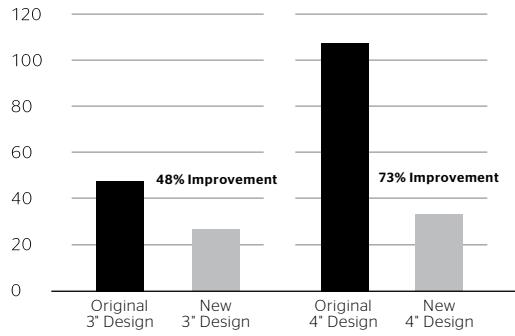
Equipment

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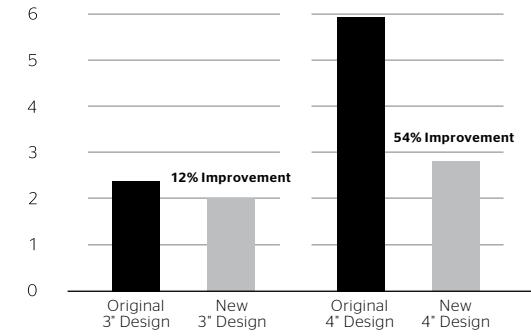
Spiraflex® Cable Guard

SAP #	ID	Nom. OD	Bend Radius	Weight				
Clear	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

Specialty	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
Steam	20013351	20766499	1½	38.1	1.75	44.5	44	0.30	4	97	29	737	0.28	0.42
Vacuum	20013354	20013361	2	50.8	2.35	59.7	30	0.21	6	140	29	737	0.61	0.91
Water Discharge	20013356	20013363	2½	63.5	2.87	72.9	30	0.21	7	178	29	737	0.61	0.91
Suction & Discharge	20013358	20013365	3	76.2	3.40	86.4	30	0.21	8	203	29	737	0.77	1.15
Washdown Garden	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.

Mining

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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-plied 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.	kg/m
Suction & Discharge Washdown Garden	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
Welding	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

Coupling Systems

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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		
Black	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	1½	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

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Appendix

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).

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")

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

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Jet Ranger™

SAP #	ID	Nom. OD	Max. WP	Weight				
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20018250	1 1/2	38.1	2.06	52.3	300	2.07	0.86	1.28
20046710	1 31/32	50.0	2.57	65.3	300	2.07	1.14	1.70
20099968	2 1/2	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.

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			
Black		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	1 1/4	31.8	1.81	46.0	150	1.03	0.72	1.07	
20017889	1 1/2	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 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

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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

SAP #	ID	Nom. OD		Max. WP		Weight		
Orange/Black	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.

Dispensing

**Air & Multipurpose**

General Purpose
Heavy Duty
Push-on

Chemical Transfer**Cleaning Equipment****Food**

Dry Transfer
Liquid Transfer
Washdown

Marine

	UL and/or Page	CUL Certified	Gasoline	Diesel	B5	B20	B100	E10	E25	E85	Ad Blue /DEF	Wire	Textile
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Aggie Gas	198	Yes A/S only	Yes	Yes			Yes					Yes
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BC Cold Flex	196	Yes	Yes	Yes	Yes		Yes					Yes
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BC Gasoline	195	Yes	Yes	Yes	Yes		Yes					Yes
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BC Marina	197	Yes	Yes	Yes	Yes		Yes					Yes
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Mining

DEF Dispensing	200										Yes	Yes
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Flexsteel ECO-Green	194		Yes		Yes							
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Flexsteel Futura	185	Yes	Yes	Yes	Yes		Yes					Yes
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Flexsteel Futura B20	193	Yes	Yes	Yes	Yes	Yes		Yes				Yes
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Flexsteel Futura E25	192	Yes	Yes	Yes	Yes		Yes	Yes				Yes
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Flexsteel Futura Ethan-ALL E85	191	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes		Yes
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Flexsteel Futura HVR Low Perm	187	Yes	Yes				Yes					Yes
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Flexsteel Futura Low Perm	186	Yes	Yes	Yes	Yes		Yes					Yes
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Flexsteel Futura Vapor Assist	188	Yes	Yes				Yes					Yes
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Maxxim Premier	189	Yes	Yes				Yes					Yes
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Maxxim Premier Plus	190	Yes	Yes				Yes					Yes
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Pacer	199	Yes	Yes	Yes	Yes	Yes		Yes				Yes
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Welding**Coupling Systems****Equipment****Appendix**

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

Continental ContiTech 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

Continental ContiTech 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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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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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

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.	kg/m
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

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Maxxim™ Premier



Product Specifications

Application

Maxxim™ Premiere 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

Chemivic 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

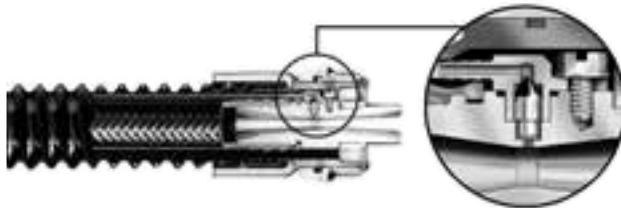
Equipment

Appendix

Maxxim™ Premier

ID	ID-Inner Hose		Nom. OD-Inner Hose		Weight-Inner Hose	
	in.	mm	in.	mm	in.	lb./ft.
1 1/4	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.

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)

Construction

> Tube

Nitrile synthetic rubber (ORS)

> Cover

Chemivc synthetic rubber (ORS), thermoplastic outer with textile reinforcement and wire helix

> Reinforcement

One braided steel wire

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 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

Coupling Systems

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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™ E85 559N Made in USA

Order Codes

532-337-124

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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

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	

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

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Flexsteel® Futura™ B20 Dispensing Hose Assembly



NEW



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)

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

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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

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

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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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BC Gasoline (1-Braid)

SAP #	ID	Nom. OD		Max. WP		Weight		
Black	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		
Black	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

BC Cold Flex



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.

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

Construction

> Tube

Black, low-temperature synthetic rubber

> Cover

Black, low-temperature synthetic rubber (wrapped finish)

> Reinforcement

Braided synthetic yarn with antistatic wire

Couplings

Available as factory-coupled assemblies only.

Order Codes

532-395

Temperature Range

-65°F to 140°F (-54°C to 60°C)

BC Cold Flex

SAP #	ID	Nom. OD		Max. WP		Weight	
		in.	mm	in.	mm	psi	MPa
20195843	3/4	19.1	1.13	28.7	50	0.34	0.33
20195844	1	25.4	1.52	38.6	50	0.34	0.61

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & 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

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 Chemivic synthetic rubber (ORS) (non-marking)

> Reinforcement

Two braided synthetic yarn with static wire

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

Temperature Range

-40°F to 140°F (-40°C to 60°C)

BC Marina

SAP#	ID	Nom. OD		Max. WP		Weight		
Green	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

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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

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.

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

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

Petroleum
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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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

Chemivic 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

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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

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

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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.

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#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

541-533 (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-plied 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
Specialty	20014752	4	101.6	5.28	134.0	200	1.38	24	610	29	737	6.43	9.57
Steam	20014760	6	152.4	7.37	187.2	200	1.38	36	914	29	737	10.90	16.21
Vacuum	20014771	8	203.2	9.54	242.3	200	1.38	48	1219	29	737	16.08	23.93
Water	20452847	10	254.0	11.55	293.4	200	1.38	60	1524	29	737	20.79	30.94
Discharge	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
Coupling Systems	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
Equipment	20015908	8	203.2	9.51	241.5	200	1.38	48	1219	29	737	16.36	24.35
Appendix	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.

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.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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	lb./ft.	kg/m
Specialty		2	50.8	2.71	68.9	200	1.38	1.57
Steam		3	76.2	3.71	94.3	200	1.38	2.23
Vacuum	20045864	4	101.6	4.84	122.9	200	1.38	3.47
Water	20104917	6	152.4	7.07	179.5	200	1.38	6.50
Discharge	20136624	8	203.4	9.08	230.5	200	1.38	8.49
Suction & Discharge	20015537	10	254.0	11.24	285.4	200	1.38	12.17
Washdown	20259811	12	305.4	13.43	341.0	200	1.38	16.53
Garden								24.60
Welding								

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

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.

Smooth Bore

SAP #	ID	Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
		in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm
	3	76.2	4.31	109.4	225	1.55	24	610	29	737	5.12
20274024	4	101.6	5.38	136.6	225	1.55	36	914	29	737	7.06
20276576	6	152.4	7.75	196.7	225	1.55	48	1219	29	737	13.99
20266243	8	203.2	9.83	249.6	225	1.55	60	1524	29	737	19.20
20473949	10	254.0	11.81	299.9	225	1.55	80	2032	29	737	23.29
	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
20283225	6	152.4	8.19	208.1	225	1.55	36	914	29	737	16.87
20288374	8	203.2	10.27	260.8	225	1.55	48	1219	29	737	23.22
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.

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

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

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

Temperature Range

-25°F to 392°F (-32°C to 200°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

RB Dock Asphalt & Bitumen EN 13482

RB 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	5.71	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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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.

Rig Supply


Air & Multipurpose

 General Purpose
 Heavy Duty
 Push-on

Chemical Transfer

Cleaning Equipment

Food

 Dry Transfer
 Liquid Transfer
 Washdown

Marine

	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	

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

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

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

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)		

Vacuum
Water

Discharge

Suction & Discharge

Washdown

Garden

Welding
Coupling Systems
Equipment
Appendix

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")

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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.

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
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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")

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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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.

Oil Rig 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

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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.
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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 ASW

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	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.

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

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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	10	254	29	737	3.42	5.10
4	101.6	5.03	127.8	500	3.45	12	305	29	737	4.49	6.68
6	152.4	7.31	185.7	500	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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
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Oil Rig BioFuel 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.

Oil Rig HW ARC

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
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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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.	kg/m
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.

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 (barytes) wrapped finish

> Reinforcement

Four spiral-plied 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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
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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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.

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 barytes 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

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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
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Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

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Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

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Specialty

Steam

Vacuum

Water

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Washdown

Garden

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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.
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.
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

Coupling Systems

Equipment

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		
Red	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	1 1/4	31.8	1.80	45.7	250	1.72	0.65	0.97
20021708	1 3/8	34.9	1.88	47.8	250	1.72	0.70	1.04
20021735	1 1/2	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

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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
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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Blue Low Temp Fuel Oil Delivery

SAP #	ID/in.	ID/mm	Length	Stocked	psi	Weight	Product Code
20054898	1 1/4	31.75	100'	YES	250	0.65/ft.	53202104010000
20031895	1 1/4	31.75	125'	YES	250	0.65/ft.	53202104012500
20031896	1 1/4	31.75	150'	YES	250	0.65/ft.	53202104015000
20054428	1 1/4	31.75	175'	N/S	250	0.65/ft.	53202104017500
20031897	1 3/8	34.92	125'	YES	250	0.70/ft.	53202104412500
20031898	1 3/8	34.92	150'	YES	250	0.70/ft.	53202104415000
20145510	1 3/8	34.92	175'	N/S	250	0.70/ft.	53202104417500
20750636	1 1/2	38.10	100'	2500'	250	0.92/ft.	53202104810000
20046244	1 1/2	38.10	125'	2500'	250	0.92/ft.	53202104812500
20031899	1 1/2	38.10	150'	2500'	250	0.92/ft.	53202104815000
20750635	1 1/2	38.10	175'	2500'	250	0.92/ft.	53202104817500

Hose design ratio (burst pressure) 4:1.

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		
Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
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	1 1/4	31.8	1.72	43.7	150	1.03	0.63	0.94
20017756	1 1/2	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	2 1/2	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	3 1/2	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.

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		
Black	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

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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-plied steel wire

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

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Pyroflex® Hot Tar Wand

SAP #	ID	Nom. OD	Max. WP	Weight				
Black	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

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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
20476798	1	25.4	1.398	35.5	150	1.03	2.5	64	29	737	0.49
20476799	1½	31.8	1.65	41.9	150	1.03	3	76	29	737	0.63
20476860	1½	38.1	1.94	49.3	150	1.03	4	102	29	737	0.81
20476861	2	50.8	2.44	62.0	150	1.03	5	127	29	737	1.04
20476862	2½	63.5	2.99	76.1	150	1.03	7.5	191	29	737	1.48
20476863	3	76.2	3.54	89.9	150	1.03	9	229	29	737	1.91
20476864	4	101.6	4.57	116.1	150	1.03	12	305	29	737	2.67
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

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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
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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

Coupling Systems

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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

Specialty	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
Steam	Black	20459042	3/4	19.1	1.20	30.5	250	1.72	.75	19	29	737	0.44	0.65
Vacuum		20459043	1	25.4	1.45	36.8	250	1.72	1	25	29	737	0.55	0.81
Water		20459044	1½	38.1	1.91	48.5	250	1.72	1.5	38	29	737	0.73	1.08
Discharge		20459045	2	50.8	2.43	61.8	250	1.72	2	51	29	737	0.96	1.43
Suction & Discharge		20459046	2½	63.5	3.00	76.1	200	1.37	2.5	64	29	737	1.41	2.10
Washdown		20459047	3	76.2	3.50	88.8	200	1.37	3	76	29	737	1.69	2.51
Garden		20459048	4	101.6	4.56	115.7	150	1.03	4	101	29	737	2.42	3.61
Welding		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.



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
20464301	2	51.1	2.5	64.3	300	2.07	4.5	114	29	737	1.21
20464302	3	76.1	3.0	90.8	300	2.07	7.0	178	29	737	1.97
20464303	4	102.1	4.7	119.7	300	2.07	10.0	254	29	737	3.16
20531361	5	127.4	5.9	150.3	300	2.07	20	508	29	737	5.34
20464305	6	152.4	6.9	175.4	300	2.07	24	610	29	737	6.66
											9.91

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

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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%.

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

Construction

> Tube

Synthetic rubber

> Cover

Black SBR synthetic rubber (smooth cover)

> Reinforcement

Spiral-plied synthetic fabric with wire helix

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.	kg/m
	Black												
Specialty	20018018	1	25.4	1.49	37.8	150	1.03	4.0	102	29	737	0.64	0.95
Steam	20018020	1½	31.75	1.74	44.2	150	1.03	4.0	102	29	737	0.77	1.14
Vacuum	20018023	1½	38.1	1.99	50.6	150	1.03	4.0	102	29	737	0.91	1.36
Water	20018028	2	50.8	2.49	63.2	150	1.03	4.5	114	29	737	1.71	1.74
Discharge	20018031	2½	63.5	3.01	76.4	150	1.03	5.75	146	29	737	1.48	2.20
Suction & Discharge	20018034	3	76.2	3.54	89.9	150	1.03	7.0	178	29	737	1.91	2.84
Washdown	20018037	4	101.6	4.59	116.5	150	1.03	10.0	254	29	737	2.82	4.19
Garden	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.

Welding

Coupling Systems

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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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.
20493494	1	25.4	1.40	35.6	150	1.03	2.0	51	29	737	0.52	0.77
20493495	1½	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.

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.

Packaging

100' lengths, coiled and poly-wrapped

Branding

Example: Continental ContiTech Flexwing® Petroleum Hose

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

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

Temperature Range

-35°F to 200°F (-37°C to 93°C)

Plicord® Super Black Flexwing®

Specialty	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
Steam	20472912	¾	19.1	1.28	32.5	300	2.07	2	51	29	737	0.57	0.85	
Vacuum	20472913	1	25.4	1.53	38.9	300	2.07	3	75	29	737	0.70	1.04	
Water	20155914	1¼	31.8	1.87	47.1	300	2.07	4	100	29	737	0.99	1.48	
Discharge	20017550	1½	38.1	2.08	52.8	300	2.07	4	100	29	737	1.15	1.71	
Suction & Discharge	20017552	2	50.8	2.59	65.8	300	2.07	5	125	29	737	1.44	2.14	
Washdown	20017558	2½	63.5	3.11	79.0	300	2.07	6	150	29	737	1.84	2.74	
Garden	20017560	3	76.2	3.65	92.7	300	2.07	7	175	29	737	2.39	3.56	
Welding	20017564	4	101.6	4.83	122.7	300	2.07	10	254	29	737	3.76	5.60	
Coupling Systems	20017568	5	127.0	5.87	149.0	300	2.07	20	500	29	737	5.10	7.60	
Equipment	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.

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)

Plicord® LW Black Flextra II™

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
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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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.

Packaging

100' lengths, coiled and poly-wrapped

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

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		
Red	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		
Red	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.

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)

Plicord® Arctic Flexwing®

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
20017996	1 1/4	31.8	1.73	43.9	150	1.03	3	80	29	737	0.66	0.98
20017997	1 1/2	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	2 1/2	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

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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).

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)

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)

Specialty

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.	kg/m
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.



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		
Blue	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

Welding

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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

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™

Specialty	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
Steam	20339606	1	25.4	150	38.1	150	1.03	2	50	29	737	0.59	0.88	
Vacuum	20339625	1 1/4	32.0	177	44.8	150	1.03	3	75	29	737	0.74	1.10	
Water	20339626	1 1/2	38.0	203	51.7	150	1.03	4	100	29	737	0.92	1.37	
Discharge	20339628	2	51.2	255	64.9	150	1.03	5	125	29	737	1.21	1.80	
Suction & Discharge	20339627	2 1/2	63.7	307	77.9	150	1.03	6	150	29	737	1.56	2.32	
Washdown	20339629	3	76.1	358	91.0	150	1.03	7	175	29	737	1.94	2.89	
Garden	20339650	4	102.1	460	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

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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		
Black	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
Specialty	Black	1½	38.1	2.08	52.8	150	1.03	4	102	29	737	1.04	1.55
Steam	20017573	1½	38.1	2.08	52.8	150	1.03	5	127	29	737	1.33	1.98
Vacuum	20017574	2	50.8	2.60	66.0	150	1.03	6	152	29	737	1.67	2.49
Water	20046059	2½	63.5	3.09	78.6	150	1.03	7	178	29	737	2.23	3.32
Discharge	20017578	3	76.2	3.65	92.8	150	1.03	10	254	29	737	2.91	4.34
Suction & Discharge	20017580	4	101.6	4.68	118.8	150	1.03						
Washdown													
Garden													

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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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 Chemivic 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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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Infinity™ HD Fuel Drop Hose

SAP #	ID	Nom. OD		Max. WP		Bend Radius	Vacuum HG		Weight			
Black w/ Double Orange Helix	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
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.

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.

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

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

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 Chemivic 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			
Black	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

Specialty	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
Steam	20562108	20013586	2	50.8	2.47	62.7	30	0.21	3	76	0.57	0.85	29.0	737
Vacuum	20013561	20013587	3	76.2	3.41	86.6	20	0.14	4	102	0.68	1.01	29.0	737
Water Discharge	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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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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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

Specialty



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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™ 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.
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	1 1/4	31.8	1.79	45.6	350	2.41	0.67	1.00	
20796315	125	1 1/2	38.1	2.04	51.8	350	2.41	0.78	1.16	

Hose design ratio (burst pressure) 5:1.

LPG Delivery Pro™



Product Specifications

Application

LPG Delivery 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

1 1/4": 400' reels, maximum 3 pieces, 50' increments

1 1/2": 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™

Specialty	SAP #	ID		Nom. OD		Max. WP		Weight	
		In.	mm	In.	mm	psi	MPa	lb./ft.	kg/m
Steam	20640184	1/2	12.7	0.93	23.6	350	2.41	0.25	0.37
Vacuum	20640185	3/4	19.1	1.23	31.2	350	2.41	0.38	0.57
Water	20889288	1	25.4	1.49	37.8	350	2.41	0.51	0.76
Discharge	20942586	1 1/4	31.8	1.79	45.6	350	2.41	0.67	1.00
Suction & Discharge	20933077	1 1/2	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		
Red	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.

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

Specialty	SAP #	ID	Nom. OD	Max. WP	Weight				
	Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam	20022944	1/4	6.4	0.49	12.4	750	5.17	0.08	0.12
Vacuum	20106900	5/16	7.9	0.61	15.5	750	5.17	0.13	0.19
Water	20022951	3/8	9.5	0.70	17.8	750	5.17	0.15	0.22
Discharge	20022962	1/2	12.7	0.87	22.1	750	5.17	0.22	0.33
Suction & Discharge	20022967	5/8	15.9	1.05	26.7	750	5.17	0.31	0.46
Washdown	20022969	3/4	19.1	1.19	30.2	750	5.17	0.36	0.54
Garden	20022976	1	25.4	1.51	38.4	750	5.17	0.54	0.80

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

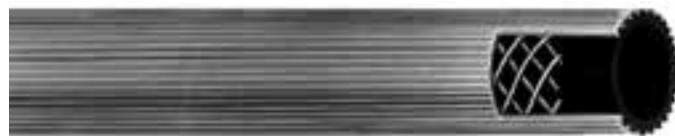
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Coupling Systems

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
20012638	3/8	9.5	0.69	17.5	600	4.14	0.14
20012641	1/2	12.7	0.78	19.8	600	4.14	0.19
20012643	3/4	19.1	1.10	27.9	600	4.14	0.28

Hose design ratio (burst pressure) 3:1.

Pliovic® 2400 (Green)

SAP #	ID	Nom. OD		Max. WP		Weight	
		in.	mm	in.	mm	psi	MPa
20012626	3/8	9.5	0.70	17.8	800	5.52	0.14
20012632	1/2	12.7	0.85	21.6	800	5.52	0.20
20012635	3/4	19.1	1.10	27.9	800	5.52	0.28

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

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.	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.

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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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Hydrocarbon Drain Hose® - Braided

SAP #		ID	OD	Max. WP			Weight		
Blue	Green	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20177678	20276495	3/4	19.1	1.10	27.94	300	0.43	0.14	0.21
		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.

Hydrocarbon Drain Hose® - Hand Built



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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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

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

Temperature Range

-25°F to 350°F (-32°C to 177°C)

Hydrocarbon Drain Hose®

SAP #	ID	OD	Max. WP	Weight	
	in.	mm	in.	psi	lb./ft.
20264356	3/4	19.1	1.33	33.86	300
20467694	1	25.4	1.58	40.14	300
20326679	1½	38.1	2.25	57.2	300
20276441	2	50.8	2.77	70.36	300

Hose design ratio (burst pressure) 8:1.

Note: Not recommended for steam service.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
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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DEF Transfer Hose - Hand Built

SAP #	ID	Nom. OD		Max. WP	Bend Radius	Vacuum HG		Weight			
Black	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.

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.

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

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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

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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		
Red	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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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	1 1/4	31.8	1.88	47.8	250	1.72	1.02	1.52
		20575082	20620048	1 1/2	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.

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 Low 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	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.44"	34	2.58	
Flexsteel 250 (Black and Red wrapped)	539-470-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.44"	34	2.58	
Flexsteel 250 (Black and Red Smooth)	539-070-032	1"	RGJS-4V	GJS-4V	IMS-4V	IMS-4VSW	1.93"	45	3.90	
Flexsteel 250 (Black and Red Wrapped)	539-470-032	1"	RGJS-4V	GJS-4V	IMS-4V	IMS-4VSW	1.90"	45	3.26	
Flexsteel 250 (Black and Red Wrapped)	559-201-510	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	3/4"	RGJS-3V	GJS-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

Female Wing Nut



Female Wing Nut with Female NPT Spud



Male NPT Swivel



Female Low Profile Nut with Female NPT Spud



Available as Male NPT

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

1 1/4"-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 (1 1/4"-2" red)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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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		1 1/4	31.8	1.75	44.5	250	1.72	1.06	1.58
20046224		1 1/2	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.

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.

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

Construction

> Tube

Chlorobutyl synthetic rubber

> Cover

Red or black Pyrosyn®, pin-pricked

> Reinforcement

Two-braid steel wire

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		32.5		250	1.72

Vacuum

Water	Campbell Ground Joint Viton Seal Setting Low Profile Nut	Campbell Ground Joint Viton Seal Female NPT Spud Wing Nut	Campbell Male Male NPT Swivel	Crimp Diameter	Die Set	Approx. Setting
Hose ID						
3/4"	RGJF-3V	GJF-3V	IMS-3V	IMS-3VSW	1.43	34

Hose design ratio (burst pressure) 10:1.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 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.

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)

Construction

> **Tube**

Black EPDM synthetic rubber

> **Cover**

Black EPDM synthetic rubber; also available in red cover with yellow brand for color coding (wrapped impression), pin-pricked

> **Reinforcement**

Spiral-plied steel wire

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)

Plicord® 250 Steam

SAP#		ID		Nom. OD		Max. WP		Weight	
Black	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
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	1 1/4	31.8	1.81	46.0	250	1.72	0.83	1.24
20019148	20019180	1 1/2	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	2 1/2	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

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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & 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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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.

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

Specialty	SAP #	ID	Nom. OD		Max. WP		Bend Radius		Length		Weight	
		in.	mm	in.	mm	psi	MPa	in.	mm	feet	lb./ft.	kg/m
Steam	20836407	3/8	9.5	0.86	21.5	261	1.8	3 15/16	100	131	0.27	0.40
Vacuum	20836408	1/2	15.9	0.98	25	261	1.8	2 9/16	65	131	0.29	0.43
Water	20836409	3/4	19.1	1.14	29	261	1.8	3 3/8	85	131	0.60	0.90
Discharge	20836410	1	25.4	1.56	40	261	1.8	9 13/16	250	131	0.81	1.20
Suction & Discharge	20836411	1 1/4	31.8	1.87	48	261	1.8	12 5/8	320	131	1.04	1.55
Washdown	20836412	1 1/2	38.1	2.13	54	261	1.8	14 15/16	380	131	1.21	1.80
Garden	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
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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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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MIL-DTL-29210E Steam Hose

SAP #	ID	Nom. OD	Max. WP	Weight				
Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
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.

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
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Garden

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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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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® Grassvac™

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
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.

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.

Packaging

1"-6" - 100' lengths, coiled and poly-wrapped
8" - 30' lengths, poly-wrapped

Branding

Not branded

Construction

> **Tube**

Metallic green Pliovic® synthetic compound

> **Reinforcement**

Rigid white high-density Pliovic® helix

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

586-408

Temperature Range

0°F to 150°F (-18°C to 66°C)

Spiraflex® Ducting

SAP #	ID	Nom. OD		Bend Radius		Weight		
Metallic Green	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	1 1/4	31.8	1.50	38.1	2	51	0.18	0.27
20013157	1 1/2	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	2 1/2	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

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

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	1 1/4	31.8	1.50	38.1	37	0.26	4	84	29	737	0.24	0.36
20013092	1 1/2	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	2 1/2	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.

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)

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"-6½")

541-222 (7"-12¾")

Packaging

Poly-wrapped

Plicord® HD Industrial Vacuum

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													
20140398	2½	69.9	3.04	77.2	75	0.52	7	178	29	737	1.51	2.25	
20015119	3½	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	4½	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	6½	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	8½	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	12¾	323.8	13.69	347.7	35	0.24	39	991	29	737	12.69	18.91	

Hose design ratio (burst pressure) 4:1.

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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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 (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.

Water Discharge



Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer
Liquid Transfer
Washdown

Marine

	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	

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

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)		

Petroleum

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 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-plies 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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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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Plicord® HD Water Discharge

SAP #	ID	Nom. OD	Max. WP	Weight				
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Black								
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	6½	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	8½	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.

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.

Packaging

100' lengths, coiled and poly-wrapped

Construction

> Tube

Black SBR synthetic rubber

> Cover

Black SBR synthetic rubber (wrapped finish)

> Reinforcement

Spiral-plied synthetic rubber

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	1 1/4	31.8	1.60	40.6	150	1.03	0.43	0.64
20016629	1 1/2	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	2 1/2	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

Specialty

Steam

Vacuum

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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® Versiflo® 125

SAP #	ID	Nom. OD		Max. WP		Weight		
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20016803	1½	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.

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-plies 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.	kg/m
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	1 1/4	31.8	2.06	52.3	200	1.38	1.19	1.77
20016527	1 1/2	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	2 1/2	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		
Red	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.

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				
Yellow	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

Specialty	SAP #	ID	Nom. OD	Max. WP	Weight				
	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
Steam	20012500	1½	38.1	1.71	43.4	150	1.03	0.23	0.34
Vacuum	20012501	2	50.8	2.24	56.9	150	1.03	0.36	0.54
Water Discharge	20012502	2½	63.5	2.79	70.9	150	1.03	0.41	0.61
Suction & Discharge	20012503	3	76.2	3.29	83.6	125	0.86	0.46	0.68
Washdown Garden	20012504	4	101.6	4.32	109.7	100	0.69	0.73	1.09
Welding	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

Water Discharge
Suction & Discharge
Washdown Garden

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		
Gray	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		
Blue	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).

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			
20957399	1	25.4	1.40	35.5	150	1.03	3	76
20957430	1½	31.8	1.25	31.8	150	1.03	4	102
20957431	1½	38.1	1.50	38.1	150	1.03	5	127
20957432	2	50.8	2.00	50.8	150	1.03	7	178
20957433	2½	63.5	2.50	63.5	150	1.03	10	254
20957434	3	76.2	3.00	76.2	150	1.03	14	356
20957417	4	101.6	4.00	101.6	150	1.03	18	457
20957418	6	152.4	6.00	152.4	150	1.03	27	686
20957501	8	203.2	8.01	203.4	150	1.03	48	1219
Hose design ratio (burst pressure) 3:1.								

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			
Black	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20016820	1 1/4	31.8	1.63	41.4	150	1.03	4	102	29	737	0.53	0.79
20016822	1 1/2	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	2 1/2	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.

Branding

Continental ContiTech CON-AG WATER S&D #####

Made in Canada

(1/2" spiral transfer tape, yellow backing with black lettering)

Construction

> Tube

Black EPDM

> Cover

Black EPDM (wrapped impression)

> Reinforcement

Spiral-plied fabrics with double wire helix

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.	kg/m
Specialty	20016431	1	25.4	1.40	35.5	125	0.86	3	76	29	737	0.48	0.71
Steam	20016432	1 1/4	31.8	1.65	41.9	125	0.86	4	102	29	737	0.61	0.91
Vacuum	20016433	1 1/2	38.1	1.90	48.3	125	0.86	5	127	29	737	0.72	1.07
Water	20016437	2	50.8	2.40	61.0	125	0.86	7	178	29	737	0.94	1.40
Discharge	20016442	2 1/2	63.5	2.95	75.0	100	0.69	10	254	29	737	1.36	2.02
Suction & Discharge	20016447	3	76.2	3.49	88.7	100	0.69	14	356	29	737	1.72	2.56
Washdown	20016452	4	101.6	4.54	115.3	75	0.52	18	457	29	737	2.48	3.69
Garden	20016459	6	152.4	6.68	169.6	75	0.52	27	686	29	737	5.13	7.63
Welding	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

Specialty

Steam

Vacuum

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

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		
Black	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	1 1/4	32.0	1.61	40.8	150	1.03	4	100	29	737	0.50	0.75
20026606	1 1/2	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	2 1/2	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	3 1/2	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.

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

Temperature Range

0°F to 158°F (-9°C to 70°C)

Spiraflex® 1600

	SAP #	ID	Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight		
	Olive Green	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
Aircraft Fueling	20013191	3/4	19.1	0.98	24.9	130	0.90	3	83	29	737	0.18	0.27
Dispensing	20013194	1	25.4	1.24	31.5	106	0.73	5	114	29	737	0.25	0.37
Dock	20013197	1 1/4	31.8	1.53	38.9	99	0.68	5	127	29	737	0.32	0.48
Rig Supply	20013203	1 1/2	38.1	1.78	45.2	89	0.61	6	152	29	737	0.37	0.55
Transfer Discharge	20013209	2	50.8	2.32	58.9	79	0.54	8	203	29	737	0.61	0.91
Transfer S&D	20013213	2 1/2	63.5	2.85	72.4	65	0.45	10	254	29	737	0.87	1.29
Specialty	20013219	3	76.2	3.41	86.6	65	0.45	12	305	29	737	1.08	1.61
Steam	20013223	4	101.6	4.46	113.3	55	0.38	16	406	29	737	1.69	2.51
Vacuum	20013231	6	152.4	6.57	166.9	47	0.32	36	914	29	737	3.05	4.54
Water Discharge	20013236	8	203.2	8.92	226.6	40	0.28	60	1524	20	508	6.35	9.45
Suction & Discharge	20013239	10	254.0	10.93	277.6	35	0.24	100	2540	20	508	8.75	13.04
Washdown	Hose design ratio (burst pressure) 3:1.												
Garden													
Welding													

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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®

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
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	1 1/4	31.8	1.53	38.9	99	0.68	5.0	127	29	737	0.34	0.51
20013497	1 1/2	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	2 1/2	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.

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

Mining

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	1 1/4	31.8	1.54	39.2	99	0.68	5	127	29	737	0.31	0.45
20439811	1 1/2	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	2 1/2	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).

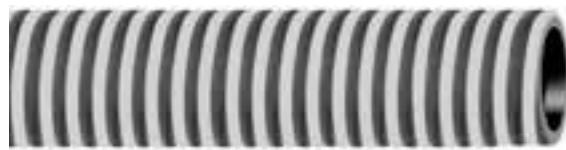
Welding

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		
Black	in.	mm	in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m
20450178	1 1/4	31.8	1.53	39.0	50	0.35	2.5	63.5	29	737
20450177	1 1/2	38.1	1.78	45.3	50	0.35	3	76.2	29	737
20450179	2	50.8	2.40	61.0	50	0.35	4	101.6	29	737
20450350	2 1/2	63.5	2.99	74.9	50	0.35	5	127.0	29	737
20450351	3	76.2	3.47	88.1	45	0.31	5	127.0	29	737
20450352	4	101.6	4.67	118.4	40	0.28	9	228.6	29	737
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

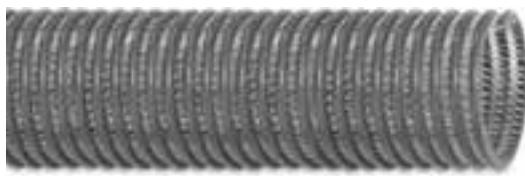
Welding

Coupling Systems

Equipment

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.

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

Construction

> Tube

Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated OD

Mining

Petroleum

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™ WT

SAP #	ID	Nom. OD		Max. WP @ 72°F (22°C)		Bend Radius	Vacuum HG @ 72°F (22°C)		Length	
		in.	mm	in.	mm		in.	mm		
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.

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.

Packaging

3/16"-3/4" - 500' reels, maximum 3 pieces, 50' increments
1" - 450' reels, maximum 3 pieces, 50' increments
1 1/4" - 400' reels, maximum 3 pieces, 50' increments
1 1/2" - 300' reels, maximum 3 pieces, 50' increments

Construction

> Tube

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

> Cover

Red or black EPDM synthetic rubber

> Reinforcement

Spiral synthetic yarn

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®

Petroleum

Aircraft Fueling
Dispensing
Dock

Mining

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

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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	1 1/4	31.8	1.63	41.4	150	1.03	0.57	0.85
20026456	20026512	1 1/2	38.1	1.88	47.8	150	1.03	0.68	1.01

Hose design ratio (burst pressure) 4:1.

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)

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	1 1/4	31.8	1.69	42.9	150	1.03	0.55	0.82
20016729	20139579	20649827	1 1/2	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

1 1/4"-5/8" ID

1 1/2"-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

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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				
Black	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	1 1/4	31.8	1.88	47.8	300	2.07	0.81	1.21
20100952	1 1/2	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 1/2" ID

1 1/4"-5/8" ID

1 1/2"-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

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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

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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.

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)

Heavy Duty Cold Water Premium Rubber Hose

SAP #	ID	Nom. OD	Max. WP	Weight				
Black	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.

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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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				
Green	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		
Green	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
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Welding


Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer
Cleaning Equipment
Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

	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

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.

Packaging

500' reels

Construction

> Tube

SBR synthetic rubber, compatible with oxygen and acetylene gases

> Cover

Chemivic synthetic rubber with a smooth cover

> Reinforcement

Spiral synthetic yarn

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

Temperature Range

-40°F to 120°F (-40°C to 49°C)

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.

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.

Packaging

500' reels

Construction

> Tube

Wingprene® synthetic rubber compound compatible with all common welding fuel gases

> Cover

Chemivic synthetic rubber ribbed surface

> Reinforcement

Spiral synthetic yarn

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.	kg/m
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

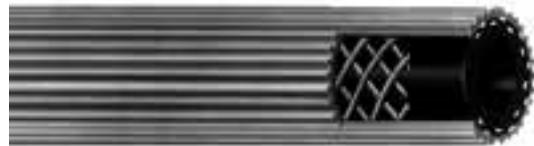
Welding

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

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 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)

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
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

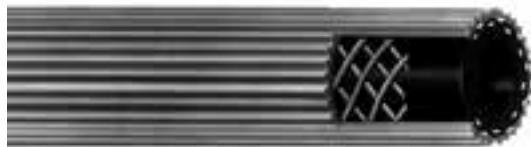
Single Line Welding Grade RM

		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.

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.

Packaging

500' reels

Construction

> Tube

EPDM synthetic rubber

> Cover

EPDM synthetic rubber ribbed surface

> Reinforcement

Spiral synthetic yarn

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	
Dispensing	
Dock	
Rig Supply	
Transfer Discharge	
Transfer S&D	
Specialty	
Steam	
Vacuum	
Water	
Discharge	
Suction & Discharge	
Washdown	
Garden	
Welding	
Coupling Systems	
Equipment	
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

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

T **TEMPERATURE** - includes the temperature of fluid conveyed and the climatic conditions

Chemical Transfer

A **APPLICATION** - the conditions of use, including abrasion, flexing and routing

Cleaning Equipment

M **MATERIAL** - the type of material conveyed, including its composition and concentration

Food
Dry Transfer
Liquid Transfer
Washdown

P **PRESSURE** - hose assembly working pressure and surge or back pressure

Marine

E **ENDS** - definition of the fitting, including material and thread type

Mining

D **DELIVERY** - time allowed for delivery, including testing, quality assurance and packaging

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

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.

Specialty

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.

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

Chemical Transfer**Cleaning Equipment****Food**

Dry Transfer
Liquid Transfer
Washdown

Marine**Material Handling**

Abrasives
Bulk Transfer

Cement & Concrete**Mining****Petroleum**

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****Size**

ID _____

OD _____

Hose Length (OAL or uncpld. lgth.) _____

Tolerances _____

Temperature

of Material Being Conveyed (high, low, ambient) _____

of Outside Exposure (high, low, ambient) _____

Intermittent? _____

Constant? _____

Sub-zero Exposure _____

Application(s)

Indoor and/or Outdoor Use _____

Intermittent or Continuous Use _____

Flexibility Required (min. bend radius) _____

Movement (static, vibrations, flexing) _____

External Conditions:

Abrasion _____

Oil _____

Solvents _____

Acid _____

Ozone _____

Electrical/Static Conductive _____

Oil Resistance:

Tube _____

Cover _____

Flame Resistance _____

Noncontaminating Materials _____

Hose Currently in Use _____

Current Hose Service Life/Failure Description _____

Service Life Desired _____

Material(s) Being Conveyed

Solids (size, description) _____

Gaseous (volatility, inert) _____

Liquids (flammability, causticity, acid, alkaline, solution/concentration) _____

Chemical Names (generic) _____

Pressure(s)

Working Pressure (including surges) _____

Burst Pressure _____

Suction or Vacuum Requirements _____

Velocity _____

Impulse _____

Ends & Fittings

Type of Threads _____

Male/Female _____

Reusable/Nonreusable _____

Material for Fittings _____

Built-in Fittings/Ends _____

Beaded _____

Flanged _____

Rubber-lined _____

Other _____

Cut to Length _____

Crimp Specs or Crimper Used _____

Delivery

Lead Time _____

Quantity _____

Stock/Non-stock _____

Special Print _____

Special Packaging _____

Other Information

Customer: _____ Date: _____

Customer No.: _____

Ship To: _____

Bill To: _____

Telephone: _____ Fax: _____

Boldest block areas MUST be filled out on all inquiries.

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

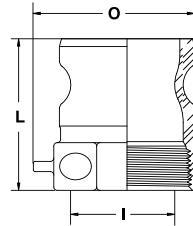
Welding

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
1½	A125AL	A125SS	A125BR
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.			
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
1½	0.375		2.437	2.237	1.063
2	0.375		2.531	2.368	1.375
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.

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
1½	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
1½	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

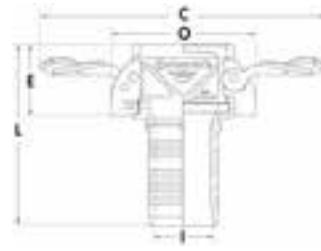
Welding

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
1½	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

Steam	Max. Width with Cam Arms Closed (O)		Overall Length (L)	Exposed Length (E)	Minimum ID (I)	Max. Width with Cam Arms Extended (C)
	Size	in.				
Vacuum	in.	in.	in.	in.	in.	in.
Water	1/2	2.469	3.063	1.188	0.260	4.969
Discharge	3/4	2.781	3.656	1.313	0.490	5.261
Suction & Discharge	1	2.920	4.250	1.975	0.718	5.367
Washdown	1½	3.510	4.625	2.350	0.906	7.669
Garden	1½	3.830	4.750	2.370	1.156	7.967
Welding	2	4.210	5.281	2.531	1.625	8.340
Coupling Systems	2½	4.720	5.750	2.625	2.093	8.837
Equipment	3	5.680	6.840	2.849	2.560	10.435
Appendix	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.

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

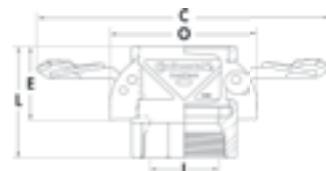
Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C) with standard nitrile gaskets.

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: Continental 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.
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.

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

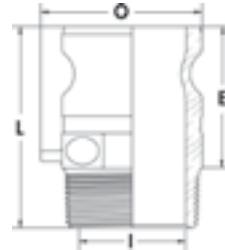
Sizes 1/2"-2", 250 psi; sizes 2½"-4", 150 psi; sizes 5"-6", 75 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C).

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

Marine	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
Mining	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
Petroleum	20668776	DA4030AL	Jump Size Female Coupler X Male Adapter	4 X 3	Aluminum
Aircraft Fueling	20668777	DA6040AL	Jump Size Female Coupler X Male Adapter	6 X 4	Aluminum
Dispensing	20668779	DD300AL	Female Coupler X Female Coupler	3 X 3	Aluminum
Dock	20668780	DD400AL	Female Coupler X Female Coupler	4 X 4	Aluminum
Rig Supply	20739387	C3024SS	Female Coupler X Barb Stainless	3 X 2½	Stainless Steel
Transfer Discharge	20739389	E3025SS	Male Adapter X Barb Stainless	3 X 2½	Stainless Steel
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

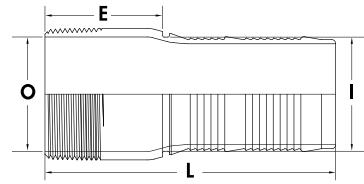
Sizes 1" to 2" 250 psi, 2½" to 4" 150 psi. Recommended working pressure ratings based on an ambient temperature of 70°F (21°C).

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
1 1/4	DC125AL	DC125SS	DC125BR
1 1/2	DC150AL	DC150SS	DC150BR
2	DC200AL	DC200SS	DC200BR
2 1/2	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
1 1/4	3.510	2.360	7.669	0.375
1 1/2	3.830	2.400	7.967	0.375
2	4.210	2.633	8.340	0.375
2 1/2	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.

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
1 1/4	DP125AL	DP125SS	DP125BR
1 1/2	DP150AL	DP150SS	DP150BR
2	DP200AL	DP200SS	DP200BR
2 1/2	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
1 1/4	2.125	0.469
1 1/2	2.156	0.469
2	2.375	0.469
2 1/2	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

Welding

Coupling Systems

Equipment

Appendix

Insta-Lock™ Repair Kits



Product Specifications

Application

For the repair of Brass and 316# Stainless Steel handles.

Part Number System

First Three Digits = Size

S = Stainless Steel

B = Brass

C = ContiTech Insta-Lock™ Handle

M = Music Wire Ring

P = Pin

Materials

1 handle, 1 finger ring, 1 pin

Order Codes

605-856 (brass), 605-855 (stainless steel)

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

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer

Cement & Concrete

Mining

Petroleum

- 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

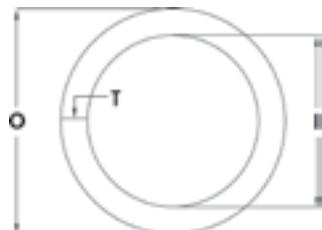
G = Gasket

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
1 1/4	1.938	1.359	0.250
1 1/2	2.188	1.625	0.250
2	2.625	2.000	0.250
2 1/2	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
1 1/4	G125BN	G125VT	G125TE	G125WN	G125NE	G125SL
1 1/2	G150BN	G150VT	G150TE	G150WN	G150NE	G150SL
2	G200BN	G200VT	G200TE	G200WN	G200NE	G200SL
2 1/2	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	
1"	FRSS100124	2"	FRSS200232	3"	FRSS300332
	FRSS100128		FRSS200236		FRCS150212
	FRSS100132		FRSS200240		FRCS150216
	FRSS100136		FRSS200244		FRSS300344
	FRSS100140		FRSS200248	2"	FRCS200232
			FRSS200252		FRCS200236
1¼"	FRSS125144		FRSS200256		FRCS200240
	FRSS125148		FRSS200260		FRCS200244
	FRSS125152			FRSS300400	FRCS200248
Vacuum	FRSS125156	2½"	FRSS250256	FRSS300404	
			FRSS250260		3" FRCS300336
Water	1½"	FRSS150156	FRSS250300	4"	FRCS300340
Discharge		FRSS150160	FRSS250304		FRCS300344
Suction & Discharge		FRSS150200	FRSS250308		FRCS300348
Washdown		FRSS150204	FRSS250312		FRSS400448
Garden		FRSS150208	FRSS250316	4"	FRCS400444
		FRSS150212	FRSS250320		FRCS400448
Welding		FRSS150216	FRSS150224		FRCS400452
Coupling Systems		FRSS150220		FRSS400500	
Equipment		FRSS150224		FRSS400504	
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

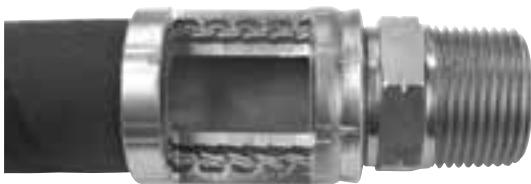
Welding

Coupling Systems

Equipment

Appendix

Pressure Washer Fittings



Product Specifications

Application

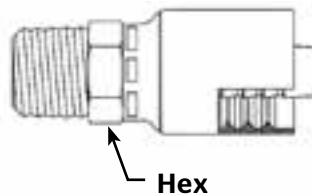
1/4" and 3/8" bite to wire pressure washer fittings are only for use with the following ContiTech pressure washer hose specs: Fortress® 3000, Neptune™ 3000, Neptune™ 4001-R, Neptune™ 4500, Gauntlet® 3000, Gauntlet® 4500, Galvanator® 3000 and Neptune™ 6000.

Materials

Steel, yellow zinc dichromate finish

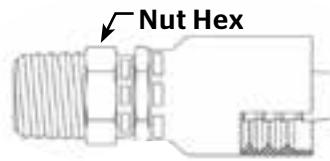
Branding

Not branded



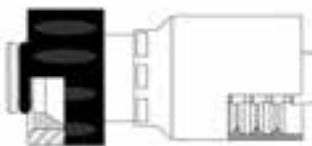
NPTF Male Solid

SAP	Hose Size	Thread Size
	in.	in.
20221742	1/4	1/4-18
20190045	3/8	3/8-18



NPTF Male Swivel

SAP	Hose Size	Thread Size
	in.	in.
20221743	1/4	1/4-18
20190047	3/8	3/8-18



22 mm Power Wash

SAP	Hose Size	Thread Size
	in.	mm.
20207707	3/8	22 x 1.5

Equipment



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PC125M	336
PC150	338
PC150H	339
PC200-P	340
PC400-P	341
PC600L-P	342
PC1000-P	343
PC1200-P	344-345
PCTB1500/2500	346

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
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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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 Unit 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



PC125 Die Set



Metric Micrometer



Electric Pump (PC125M-.5EPump)



PC125 Die Storage Shelf



Hand Pump (PC125-HPump)



Air/Hydraulic Pump (PC125-PPump)

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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.



PC125

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.

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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Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
Dry Transfer
Liquid Transfer
Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

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

Specialty

Steam

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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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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.

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 1½" 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

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

Food

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

Material Handling

- Abrasives
- Bulk Transfer
- 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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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



PC200-1

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.

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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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

Air & Multipurpose

- General Purpose
- Heavy Duty
- Push-on

Chemical Transfer

Cleaning Equipment

- Food
- Dry Transfer
- Liquid Transfer
- Washdown

Marine

- 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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- 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
202449890	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

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.



PC1000

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food
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Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
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Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
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Hydraulic Dies

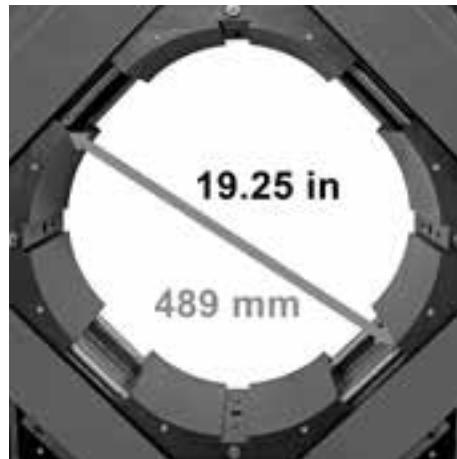
The following dies are included in the standard PC1000-PX Kit:

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

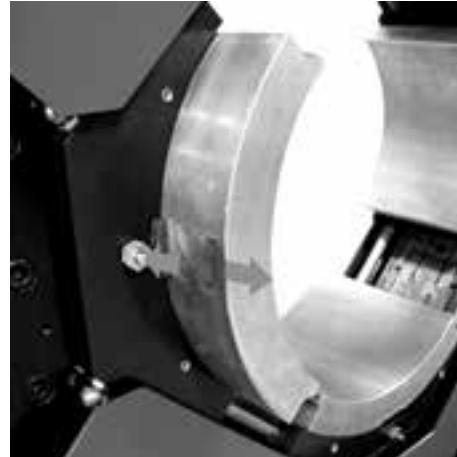
PC1200-P Industrial Crimper

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 19½ 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

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Food

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- Liquid Transfer
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Petroleum

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PC1200-P Industrial Crimper

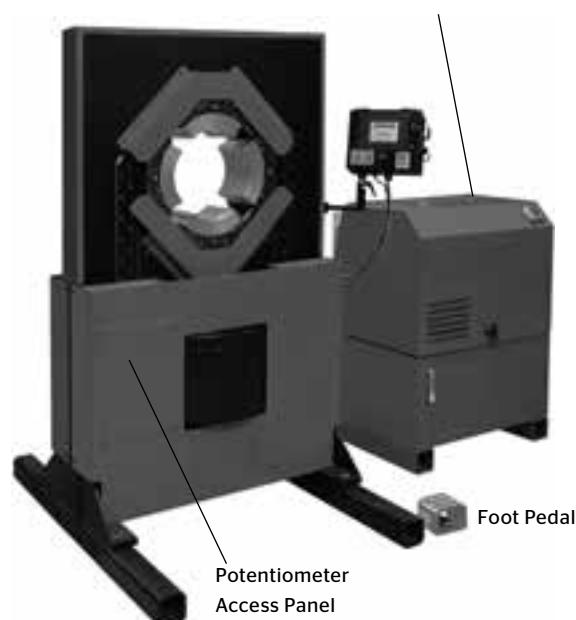
The patented ACT™ Crimp Controller

- › 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.



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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

PCTB1500

Capability

- › PCTB1500 - Test pressure range to 21,500 psi (1500 bar)
- › PCTB2500 - Test pressure range to 37,500 psi (2500 bar)



PCTB2500

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

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 scooter 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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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 barytes transfer hose for offshore oil rigs
549-070	Barytes HW	Hardwall barytes 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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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.

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)	Speclar	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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Heavy Duty
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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®

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	TS	
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	A	A	I	X	TVN
Acetic Acid, Glacial	100	A	B	X	X	X	X	A	A	A	A	A	A	A	B	X	TS
Acetic Aldehyde	100	A	B	X	X	X	X	I	A	A	A	A	A	A	B	X	T
Acetic Anhydride	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	TS	
Acetic Ester	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	A	TV
Acetic Ether	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	A	T
Acetic Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T	
Acetone	100	A	A	X	B	X	X	A	A	A	A	A	A	A	A	I	T
Acetone Cyanohydrin	100	B	A	X	X	X	X	A	A	A	A	A	A	I	I	I	TS
Acetyl Acetone	100	B	B	X	X	X	X	B	I	A	A	A	A	I	B	I	T
Acetyl Chloride	100	B	X	X	X	B	X	A	B	B	A	A	B	X	A	TV	
Acetyl Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T	
Acetylene (dry)	100	A	A	A	A	A	A	A	A	A	X	A	A	I	I	I	TVBNS
Acetylene Dichloride	100	B	X	X	X	A	X	I	I	A	X	A	I	A	X	TV	
Acetylene Tetrachloride	100	B	X	X	X	A	X	I	I	A	I	A	A	X	X	TV	
Acrolein	100	B	A	B	B	A	B	I	I	A	A	A	I	I	I	I	TV
Acrylic Acid	100	B	X	X	X	A	X	X	X	A	A	A	A	I	I	I	TV
Acrylonitrile	100	B	X	X	X	X	X	A	X	B	A	A	A	X	I	I	T
Alk-Tri	100	I	X	X	X	A	X	I	I	A	I	A	A	I	I	I	TV
Allyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN	
Allyl Bromide	100	B	X	X	X	B	X	B	I	B	I	A	I	I	I	I	T
Allyl Chloride	100	B	X	X	X	B	X	B	X	B	I	A	A	X	X	TS	
Aluminum	150	A	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	A	I	X	T	
Aluminum Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVB	
Aluminum Formate	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	I	T
Aluminum Hydroxide	150	A	A	B	A	X	B	A	A	A	A	A	A	I	X	TS	
Aluminum Sulfate	150	A	A	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	A	B	I	TBN	
Aminoethylmethanolamine	100	A	A	B	B	I	B	A	A	A	A	A	I	I	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	TVB	
Ammonium Chloride	150	A	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	A	X	I	TNS	
Ammonium Nitrate	150	Special Hose Required												A	B	X	TVBS
Ammonium Phosphate	150	A	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	A	X	X	TVNS	

*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

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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	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket		
		FlexButyl	Hypalon	NR	Viton		CPE	EPDM	XLPE	Alphasyn							
A (continued)																	
Ammonium Sulfide	150	A	A	A	A	X	A	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	B	A	A	A	A	A	A	A	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	A	B	A	A	A	X	I	TV	
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	A	I	A	I	I	I	I	TV	
Amyl Phthalate	100	A	A	X	X	X	I	I	A	I	A	I	I	I	I	T	
Amylamine	100	A	B	X	X	X	B	X	A	I	A	I	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	TV	
Animal Grease	100	A	X	X	X	A	A	B	X	A	A	A	A	A	A	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	TV	
Aromatic Spirits	100	A	X	X	X	A	X	I	X	A	I	A	A	I	I	TV	
Aromatic Tar	100	A	X	X	X	A	X	B	X	A	I	A	I	I	I	TV	
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	TN	
Arsenic Trichloride	100	I	X	X	X	X	X	X	X	X	X	A	X	I	I	TN	
Asphalt	500	Special Hose Required															
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	B	I	I	T	
Benzene (Benzol)	100	A	X	X	X	A	X	X	X	B	B	A	A	A	A	TV	
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	

*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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		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	B	A	I	A	A	I	B	T	
Benzotrichloride	100	X	I	I	I	I	X	X	X	X	A	I	I	I	I	T
Benzoyl Chloride	100	X	I	I	I	I	X	X	X	B	A	B	I	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	A	I	A	A	X	X	X	TV
Bichromate of Soda	150	A	A	X	I	I	I	I	A	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	X	I	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	I	I	I	TBN
Butyl (Normal) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Butyl (Secondary) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Butyl Acetate	100	A	A	B	X	X	B	B	A	B	A	A	B	I	T	
Butyl Acetoacetate	100	A	X	X	X	X	X	I	A	B	A	I	I	I	I	T
Butyl Acrylate	100	B	X	X	X	X	B	X	B	B	A	I	I	I	I	T
Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	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	A	B	A	I	I	I	I	TV
Butyl Benzil 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	B	B	A	I	I	I	I	T
Butyl Butyrate	100	B	X	X	X	X	X	I	B	I	A	I	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	I	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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Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket	
		FlexButyl	Hypalon	NR	Viton	Nitrile	CPE	Brown	Purple EPDM	XLPE	Alphasyn					
B (continued)																
Butyl Phthalate	100	A	A	X	X	X	I	I	A	A	A	A	A	A	I	T
Butyl Stearate	100	A	X	X	X	I	A	B	X	A	B	A	A	A	A	TBS
Butylate	100	A	I	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	X	T
Butyric Acid	100	A	X	B	X	I	X	A	B	A	A	A	A	B	I	T
Butyric Anhydride	100	A	X	B	X	I	X	I	A	I	A	I	I	I	I	T
C																
Cadmium Acetate	100	A	A	A	X	X	A	I	A	A	A	I	I	I	I	T
Calcium Acetate	100	A	A	A	X	X	A	A	A	A	A	A	A	I	I	TB
Calcium Aluminate	100	A	A	A	A	A	A	A	A	A	A	I	I	I	I	TVB
Calcium Bichromate	150	X	A	X	I	I	I	I	X	I	A	I	I	I	I	T
Calcium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Calcium Bisulfite	150	A	A	A	A	A	A	A	I	A	A	A	A	X	X	TVBNS
Calcium Carbonate	150	A	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	B	X	X	X	TVBNS
Calcium Hydroxide (Caustic Lime)	100	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS
Calcium Hypochlorite	100	B	B	X	X	B	X	A	B	X	A	A	A	X	X	TV
Calcium Nitrate	150	A	A	A	A	A	A	A	A	A	A	B	X	X	X	TVB
Calcium Silicate	150	A	A	A	A	A	A	A	A	A	A	I	A	I	I	TVB
Calcium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBS
Calcium Sulphydrate	100	A	A	A	A	A	A	A	A	A	A	I	I	I	I	TVB
Calcium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVB
Calcium Sulfite	150	A	A	A	X	A	A	A	A	A	A	B	B	X	X	TVBNS
Caprylic Acid	100	A	X	B	X	I	X	A	I	A	A	B	I	X	T	
Carbitol	100	A	A	A	X	I	X	A	A	A	A	B	A	X	T	
Carbitol Acetate	100	A	B	B	X	I	X	I	I	A	A	I	I	I	I	T
Carbolic Acid, Phenol	100	A	A	X	X	A	X	A	X	A	B	A	A	B	A	TV
Carbon Dioxide	100	A	A	A	A	A	A	A	A	A	A	A	B	I	T	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	I	TV
Carbonic Acid	100	A	A	A	A	A	A	A	A	A	A	A	B	B	B	TVBS
Casinghead Gasoline	100	B	X	X	X	A	A	B	X	B	B	A	I	I	I	TVB
Caster Oil (Castor Oil)	100	A	A	A	X	A	A	A	A	A	A	A	A	A	I	TVBS
Caustic Potash	150	A	A	B	A	X	B	A	B	A	A	A	A	X	X	T
Caustic Soda	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS
Cellosize	100	A	A	X	X	I	X	I	I	A	A	A	I	I	I	T
Cellosolve	100	A	A	A	X	X	X	I	A	A	A	A	A	A	X	T
Cellosolve Acetate	100	A	B	B	X	X	X	X	B	A	A	A	I	X	T	

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Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket	
		FlexButyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	XLPE	Alphasyn						
C (continued)																
Chloroacetic Acid	100	A	X	X	B	X	X	A	X	A	A	A	X	X	T	
Chlorinated Solvents	100	B	X	X	X	A	X	B	X	A	I	A	B	X	TV	
Chlorine (Dry) (Gas)	---	No Hose Recommended For This Application														
Chlorine (Wet)	100	X	X	X	B	X	X	X	X	X	A	X	X	X	TV	
Chloroacetone	100	A	I	X	X	X	X	X	A	I	A	A	X	X	T	
Chlorobenzene	100	B	X	X	X	A	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	TV	
Chloroethylbenzene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	TV	
Chloroform	100	B	X	X	X	B	X	X	X	B	A	A	B	I	TV	
Chloropentane	100	A	X	X	X	A	X	X	A	I	A	A	X	I	TV	
Chlorophenol	100	A	X	X	X	B	X	X	X	B	A	I	I	I	TV	
Chloropropanone	100	A	I	X	X	X	X	X	A	I	A	I	I	I	T	
Chlorosulfonic Acid	100	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	TV	
Chlorotoluene	100	X	X	X	X	A	X	X	X	I	A	A	I	I	TV	
Chlorpyrifos	100	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	B	A	B	X	X	TV	
Coal Oil	100	A	X	X	X	A	A	A	X	A	A	A	X	A	TVB	
Coal Tar	100	A	X	X	X	A	X	B	X	A	A	A	I	I	TVS	
Coal Tar Naptha	100	A	X	X	X	A	X	B	X	A	A	A	A	A	TV	
Copper Chloride	100	A	A	A	X	A	A	A	A	A	A	X	X	X	TVBNS	
Copper Hydrate	100	A	A	B	X	X	B	I	I	A	A	I	I	I	TB	
Copper Hydroxide	100	A	A	B	X	X	B	I	I	A	A	I	I	I	TB	
Copper Nitrate	100	A	A	A	X	A	A	A	A	A	A	A	X	X	TVBNS	
Copper Nitrite	100	A	A	A	X	A	A	A	A	A	A	I	I	I	TVB	
Copper Sulfate	100	A	A	A	X	A	A	A	A	A	A	A	X	X	TVBNS	
Copper Sulfide	100	A	A	A	X	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	A	I	A	A	B	X	TV	
Crotonaldehyde	100	A	A	X	X	X	X	A	I	A	A	A	I	I	T	
Crude Oil	100	A	X	X	X	A	A	B	X	A	B	A	A	A	TVB	
Cumene	100	A	X	X	X	A	X	X	A	B	A	I	I	I	TV	
Cupric Carbonate	100	A	A	A	X	A	A	A	A	A	A	I	I	I	TVBN	
Cupric Chloride	100	A	A	A	X	A	A	A	A	A	A	B	X	I	TVBNS	
Cupric Nitrate	100	A	A	A	X	A	A	A	A	A	A	B	I	I	TVBN	
Cupric Nitrite	100	A	A	A	X	A	A	A	A	A	A	I	I	I	TVB	
Cupric Sulfate	100	A	A	A	X	A	A	A	A	A	A	I	I	I	TVBNS	
Cyclohexane	100	A	X	X	X	A	B	A	X	A	B	A	B	X	TV	

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		Butyl	Hypalon	NR	Viton	Nitrile	CPE	Purple EPDM	XLPE	Alphasyn						
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	A	B	A	I	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	A	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
Diamyl Phenol	100	A	X	X	X	A	X	A	X	A	I	A	I	I	I	TV
Diamylamine	100	A	A	X	B	I	B	A	I	A	B	A	I	I	I	TB
Diamylene	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	A	A	A	A	A	A	A	A	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	A	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

*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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ContiTec Chemical Hose / Hose Tube Polymer												Insta-Lock Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket
		Butyl	Hypalon	NR	Viton	Nitrile	CPE	Purple EPDM	XLPE	Alphasyn					
D (continued)															
Diethyl Carbinol	100	A	A	A	A	B	A	I	I	A	A	I	I	I	TBN
Diethyl Ketone	100	A	B	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	I	I	I	T
Diethyl Phthalate	100	A	A	X	X	X	X	B	X	A	B	I	I	I	T
Diethyl Sebacate	100	A	A	X	X	X	X	B	X	A	B	A	A	A	T
Diethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	TNS
Diethyl Triamine	100	A	A	X	B	I	B	A	I	A	A	I	I	I	TB
Diethylamine	100	A	A	X	B	I	B	B	A	B	A	I	I	X	TB
Diethylene Dioxide	100	A	B	X	X	X	X	B	A	A	A	A	X	X	T
Diethylene Glycol	100	A	A	A	A	A	A	X	A	A	A	A	B	A	TVBN
Diethylene Triamine	100	A	A	X	B	I	B	A	I	A	A	I	I	X	T
Dihydroxyethyl Ether	100	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	I	I	I	TB
Diisobutyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	I	I	T
Diisobutylene	100	A	X	X	X	A	A	X	X	A	B	A	A	I	TVB
Diisooctyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	T
Diisooctyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	T
Diisocyanate	100	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	T
Diisodecyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	T
Diisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	TB
Diisopropyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	TB
Diisopropyl Ether	100	A	X	B	X	I	B	I	X	A	B	A	A	I	TB
Diisopropyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	A	I	T
Dilauryl Ether	100	A	I	B	X	I	B	I	I	A	B	A	I	I	TB
Dimethyl Amine	---	No Hose Recommended For This Application													
Dimethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	I	TV
Dimethyl Ether	100	A	X	B	X	I	B	I	X	B	B	A	I	I	TB
Dimethyl Ketone	100	A	A	X	B	X	X	A	A	B	A	A	A	I	T
Dimethyl Phenol	100	A	X	X	X	A	X	I	X	A	A	A	I	I	TV
Dimethyl Phthalate	100	A	A	X	X	X	X	A	B	A	A	A	I	I	TV
Dimethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	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	I	I	TBNS
Dinitrobenzene	100	A	X	X	X	A	X	I	I	A	B	A	I	I	TV
Diocetyl Adipate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	T
Diocetyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	T
Diocetyl Phthalate	100	A	B	X	X	A	X	X	X	A	A	A	I	I	TV

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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	
D (continued)																
Diethyl Sebacate	100	A	A	X	X	X	X	B	A	I	A	I	I	I	I	TV
Dioxane	100	A	B	X	X	X	X	X	A	A	A	A	I	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	A	A	A	I	I	I	I	T
Dipropyl Ketone	100	A	B	X	X	X	X	I	A	A	A	I	I	I	I	T
Dipropylamine	100	A	A	X	B	I	B	B	I	A	A	I	I	I	I	T
Dipropylene Glycol	100	A	A	A	A	A	A	I	A	A	A	I	I	I	I	TVB
Disodium Phosphate	100	A	A	A	A	I	A	A	I	A	A	A	I	B	TB	
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																
Erdolene	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	A	I	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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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	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	B	B	A	I	I	I	I	TV
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	TV
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	TB
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	I	I	I	TBN
Ethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	X	I	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	TV
Ethylene Chloride	100	B	X	X	X	B	X	I	X	B	B	A	A	B	I	TV
Ethylene Diamine	100	A	A	X	B	I	B	I	B	A	I	A	A	I	I	TB
Ethylene Dibromide	100	X	X	X	X	B	X	I	X	B	B	A	A	X	I	TV
Ethylene Dichloride	100	B	X	X	X	B	X	X	B	A	A	A	A	B	I	TV
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	TV
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	TB
Ferrous Hydroxide	100	A	A	B	A	X	B	I	I	A	A	A	B	I	I	TN
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	TN
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	TN
Formaldehyde 40%	100	A	A	A	B	B	A	A	A	A	A	A	A	B	I	TB
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	TV
Freon** 12	100	A	X	X	X	B	B	I	X	B	X	A	A	I	I	TN
Freon** 22	100	A	X	X	X	X	X	I	I	B	X	A	A	I	I	TN

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ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket	
		FlexButyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	Blue XLPE	Chem Alphasyn						
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	TS
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	B	A	A	A	A	A	A	TVBNS
Glyphosate	100	A	I	I	I	I	I	A	I	I	I	I	I	I	I	I
Graffinite	100	I	X	X	X	X	A	A	X	I	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	TB
Heptane	100	A	X	X	X	A	A	A	X	B	B	A	A	A	A	TVB
Heptane Carboxylic Acid	100	A	X	B	X	A	X	A	I	A	A	A	I	I	I	TV
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	TB
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	I	A	A	A	A	A	B	A	TVBN
Hexyl-Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	TB
Hi-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Hydrobromic Acid 37%	150	B	A	A	A	I	X	A	A	I	A	A	X	X	X	TN
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	TN
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	TV
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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A = May be used for Continuous Service
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Gasket

T = Teflon®
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N = Polychloroprene
S = Silicone
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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	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
H (continued)															
Hydrogen Peroxide 10% to 50%	100	B	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	I	A	A	I	X	T
I															
Iodine	100	A	I	A	I	I	A	I	B	I	A	I	I	X	TVB
Iron Acetate	100	A	A	A	X	X	I	I	A	A	A	I	I	I	TNS
Iron Hydroxide	100	A	A	B	X	X	I	I	A	A	A	I	I	I	TN
Iron Salts	150	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	I	I	I	TVBN
Iron Sulfide	150	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Isoamyl Acetate	100	A	A	B	X	X	I	X	A	B	A	I	I	I	T
Isoamyl Alcohol	100	A	A	A	B	A	A	A	A	A	A	I	A	I	TBN
Isoamyl Bromide	100	B	X	X	B	X	I	X	B	I	A	I	I	I	TV
Isoamyl Butyrate	100	B	X	X	X	X	I	I	B	B	A	I	I	I	T
Isoamyl Chloride	100	X	X	X	B	X	I	I	X	B	A	I	I	I	TV
Isoamyl Ether	100	A	X	B	X	I	B	I	X	A	I	I	I	I	T
Isoamyl Phthalate	100	A	A	X	X	X	I	I	A	I	I	I	I	I	T
Isobutane	No Hose Recommended For This Application														
Isobutanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TBNS
Isobutyl Acetate	100	A	A	B	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	I	I	TNS
Isobutyl Aldehyde	100	A	B	X	X	X	B	I	A	B	A	I	I	I	T
Isobutyl Amine	100	A	B	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	TV
Isobutyl Carbinol	100	A	A	A	A	B	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	TV
Isobutyl Ether	100	A	X	B	X	I	X	I	X	A	I	A	I	I	TB
Isobutylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	TV
Isooctane	100	B	X	X	X	A	A	I	X	B	B	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	T
Isopropanol	100	A	A	A	A	B	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	TB
Isopropyl Acetate	100	A	A	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	I	I	TBNS
Isopropyl Amine	100	A	B	X	X	X	I	I	A	B	A	I	I	I	T
Isopropyl Benzene	100	A	X	X	X	A	X	X	A	B	A	I	I	I	TV
Isopropyl Chloride	No Hose Recommended For This Application														

*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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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	TB
Isopropyl Toluene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	TV
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	TB
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	TVB
Linseed Oil	100	A	A	B	X	A	A	A	B	I	A	A	A	I	A	VTBNS
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	TVB
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	A	A	A	A	A	A	X	I	TN
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	TV
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 Sulfito	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	TB
Mesityl Oxide	100	A	B	X	X	X	B	X	A	B	A	A	I	I	I	T
Methylallyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
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	TB

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ContiTech Chemical Hose / Hose Tube Polymer														Insta-Lock Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior	316 SS	Aluminum	Brass	Gasket		
		Butyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	XLPE	Alphasyn							
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	A	B	A	A	A	A	A	TV	
Methyl Butanol	100	A	A	A	B	A	A	I	A	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	TV	
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	TB	
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%	Concentrate	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	X	A	A	X	A	A	I	I	I	TB	
Methylene Bromide	100	B	X	X	X	B	X	I	X	B	A	A	I	I	I	TV	
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	TB	
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	B	B	A	A	B	B	B	TV	
Monochlorodifluoromethane	100	I	X	X	X	X	X	I	I	I	I	A	A	I	I	TN	
Monoethanol Amine	100	A	A	X	B	I	B	A	B	A	B	A	A	B	I	TN	
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	A	I	A	I	I	I	I	T	
Muriatic Acid	125	A	X	X	A	I	X	A	X	A	A	A	X	X	X	T	

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ContiTech Chemical Hose / Hose Tube Polymer														Insta-Lock Fitting/Metal				
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	HIPer, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket			
		Butyl	Hypalon	NR	Viton	Nitrile	CPE	Purple EPDM	XLPE	Alphasyn								
N																		
Naphtha	100	A	X	X	X	A	A	A	X	A	A	A	A	A	A	I	TVBN	
Naphthalene	100	A	X	X	X	A	X	I	X	A	I	A	A	A	B	I	TV	
Natural Gas	---	No Hose Recommended For This Application																
Neohexane	100	A	X	X	X	A	A	B	X	A	B	A	A	A	A	I	TVB	
Neu-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	I	TV	
Nickel Chloride	150	A	A	A	A	A	A	A	A	A	A	B	X	X	X	X	TVBS	
Nickel Nitrate	150	A	A	A	A	A	A	A	A	A	A	B	X	X	X	X	TVBN	
Nickel Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	TVBNS	
Nitric Acid 25%	100	B	B	X	X	X	X	X	X	B	A	A	A	X	X	X	TV	
Nitric Acid 37%	100	X	X	X	X	X	X	X	X	A	A	A	X	X	X	X	TV	
Nitric Acid 40%-60%	100	X	X	X	X	X	X	X	X	B	A	A	X	X	X	X	TV	
Nitric Acid 70%	100	X	X	X	X	X	X	X	X	B	A	B	X	X	X	T		
Nitro Benzene	100	A	X	X	X	B	X	X	X	A	B	A	B	X	X	T		
Nitrogen Gas	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	TVBNS	
Nitrous Oxide	100	A	A	A	A	A	A	A	A	A	A	A	I	I	X	X	TVBNS	
Nonenes	100	A	X	X	X	A	A	I	X	A	B	A	I	I	I	I	VB	
O																		
Octadecanoic Acid	100	A	B	X	X	I	A	A	B	A	A	A	B	A	A	A	TB	
Octane	100	B	X	X	X	A	A	A	X	B	B	A	B	I	B	B	TVB	
Octanol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	I	TBN	
Octyl Acetate	100	A	A	A	X	X	X	X	I	A	B	A	I	I	I	I	T	
Octyl Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	I	I	I	I	TB	
Octyl Aldehyde	100	A	X	X	X	X	X	I	I	A	I	A	I	I	I	I	T	
Octyl Amine	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	I	T	
Octyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	I	I	I	I	I	TB	
Octylene Glycol	100	A	A	A	A	A	A	A	A	A	A	I	I	I	I	I	TVB	
Oil Petroleum	100	B	X	X	X	A	A	A	X	A	B	A	A	A	X	X	TVB	
Oleic Acid	100	A	B	X	X	I	B	A	X	A	B	A	A	B	X	X	TB	
Oleum	100	X	X	X	X	X	X	X	X	X	X	A	I	X	X	X	TV	
Organic Fatty Acids	100	A	X	X	X	X	A	A	X	A	B	A	A	I	I	I	TB	
Orthodichlorobenzene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	I	TV	
Orthodichlorobenzol	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	I	TV	
Orthoxylene	100	B	X	X	X	A	X	I	X	A	B	A	I	I	I	I	TV	
Oxalic Acid	100	A	A	X	X	I	X	A	B	I	B	A	A	B	X	X	TS	
Oxygen	---	No Hose Recommended For This Application																
Ozone	100	A	B	B	X	I	X	A	A	I	B	A	I	I	I	I	TS	

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Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior	316 SS	Aluminum	Brass	Gasket	
		Butyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	XLPE	Alphasyn						
P																
Palmitic Acid	100	A	A	B	X	I	A	A	B	B	B	A	A	I	X	TBS
Papermakers Alum	150	A	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	I	TV
Paraffin	150	A	B	X	X	A	A	A	X	X	I	A	A	A	A	TVB
Paraldehyde	100	A	B	X	X	X	X	I	B	A	B	A	A	A	I	T
Paraxylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV
Pelargonic Acid	100	A	A	X	X	I	A	I	I	A	I	A	I	I	I	TB
Pentachloroethane	100	A	X	X	X	A	X	I	X	A	I	A	A	B	X	TV
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	A	B	A	A	B	X	TV	
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	TV
Phenoisulfonic 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	A	B	A	A	B	I	I	TV
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	TV
Pinene	100	A	X	X	X	A	B	B	X	A	B	A	B	I	I	TV
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	A	B	A	A	A	A	A	X	X	TB
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	A	I	B	B	A	B	I	I	I	TVBN
Potassium Dichromate	150	B	A	X	I	I	A	I	B	B	A	A	B	X	X	TVBNS
Potassium Hydrate	150	A	A	B	A	X	B	A	B	A	A	A	A	X	I	TS
Potassium Hydroxide	150	B	A	B	A	X	B	A	B	A	A	A	A	X	X	TN
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	I	I	I	TVS
Potassium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBNS
Potassium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	B	A	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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Gasket
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N = Polychloroprene

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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	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket	
		Butyl	Hypalon	NR	Viton	Nitrile	CPE	Brown	Purple EPDM	XLPE	Alphasyn					
P (continued)																
Potassium Sulfite	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Propanediol	100	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	
Propanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TVB	
Propyl Acetate	100	A	A	B	X	X	B	X	A	B	A	A	I	I	T	
Propyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TB	
Propyl Aldehyde	100	A	B	X	X	X	X	I	A	B	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	I	I	I	TB	
Propylene Dichloride	100	B	X	X	X	B	X	X	X	B	I	A	A	X	I	TV
Propylene Glycol	100	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	I	I	B	
S																
Sea Water	100	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	X	I	TBNS
Silicate of Soda	100	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	X	X	TBNS
Soda Ash	100	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	X	X	TNS
Soda, Lime	100	A	A	B	A	X	B	A	A	A	A	A	I	I	I	TVB
Soda, Niter	100	A	A	A	A	A	A	A	B	A	A	A	B	I	I	TVB
Sodium Acetate	100	A	A	A	X	X	X	A	B	B	B	A	I	A	TNS	
Sodium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Sodium Bisulfate	150	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	X	X	TVBNS
Sodium Carbonate	150	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	X	I	TVBNS
Sodium Chromate	150	X	A	X	I	I	I	A	I	X	I	A	A	A	A	TVBN
Sodium Dichromate	150	A	A	X	I	I	I	A	A	A	A	A	I	X	T	
Sodium Hydrate	150	A	A	B	A	X	B	A	A	A	A	A	B	X	X	TN
Sodium Hydrosulfide	100	A	X	X	X	X	A	A	X	A	I	A	I	B	I	TB
Sodium Hydroxide (50%)	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TBN
Sodium Hypochlorite	100	B	B	X	X	B	X	A	A	X	B	A	X	X	X	TVS
Sodium Nitrate	150	A	A	A	A	A	A	B	A	A	A	A	B	I	I	TVBNS
Sodium Silicate	150	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	B	X	X	TVBNS
Sodium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Sodium Sulfite	150	A	A	A	A	A	A	B	A	A	A	A	I	I	I	TVBNS
Sodium Sulphydrate	100	A	X	X	X	X	A	A	X	A	B	A	I	I	I	TB

*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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ContiTech Chemical Hose / Hose Tube Polymer
Insta-Lock Fitting/Metal

Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior	316 SS	Aluminum	Brass	Gasket
		Butyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	XLPE	Alphasyn					

S (continued)

Sodium Thiosulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS
Stannic Chloride	150	A	A	A	A	I	A	A	A	A	A	A	X	X	X
Stannic Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I
Stannous Chloride	150	A	A	A	A	I	A	A	B	A	A	A	A	X	TB
Stannous Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I
Stearic Acid	100	A	B	X	X	I	A	A	B	A	A	A	A	B	TVB
Stoddard Solvent	100	A	X	X	A	A	A	X	A	B	A	A	A	I	TVB
Styrene	100	B	X	X	A	X	X	X	X	I	A	A	I	I	TV
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	TN
Sulfuric Acid 25%	150	A	A	B	B	I	X	A	A	A	A	A	I	X	TVN
Sulfuric Acid 93%	100	X	X	B	X	B	X	X	B	A	A	A	I	X	X
Sulfuric Acid 93-98%	100	X	X	X	X	B	X	X	I	B	A	I	X	X	TV
Sulfuric Acid Fuming	100	X	X	X	X	X	X	X	X	X	A	I	X	X	T
Sulfurous Acid 10%	150	A	A	A	A	I	X	A	A	A	A	I	X	X	T
Sulfurous Acid 10-75%	100	A	A	A	A	I	X	A	A	A	A	I	X	X	T
Sulphonate	100	I	X	X	X	A	A	X	X	I	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
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	TB
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	TV
Tetrachloroethylene	100	A	X	X	X	A	X	X	A	B	A	A	B	X	TV	
Tetrachloromethane	100	A	X	X	X	A	X	X	X	X	B	A	A	I	I	TV
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	TB
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	TV
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	TB

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ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing & Green	Chem One & Viper	Hi-Per, Conti Chem Superior	316 SS	Aluminum	Brass	Gasket	
		Butyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	XLPE	Alphasyn	FEP & Teflon					
T (continued)																
Titanium Tetrachloride	100	B	X	X	X	A	B	X	X	A	B	A	B	X	X	TV
Toluene	100	A	X	X	X	A	X	X	B	B	A	A	A	A	A	TV
Toluidine	100	X	I	I	I	I	I	I	I	I	I	I	I	I	I	T
Toluol	100	A	X	X	X	A	X	X	B	B	A	A	A	A	A	TV
Transformer Oil	100	X	I	I	I	I	I	I	I	I	A	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	A	I	A	A	I	X	T	
Trichlorobenzene	100	B	X	X	X	B	X	X	X	B	I	A	I	I	I	T
Trichloroethane	100	A	X	X	X	A	X	B	X	X	B	A	A	I	I	TV
Trichloroethylene	100	X	X	X	X	A	X	X	X	B	A	A	I	I	I	TV
Trichloropropane	100	A	X	X	X	A	X	I	X	A	I	A	A	X	I	TV
Tricresylphosphate	100	A	A	X	X	A	X	A	A	I	A	A	X	I	I	TV
Tridecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TB
Triethanolamine	100	A	A	X	B	X	B	A	A	A	A	A	I	X	TB	
Triethylamine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	TVBN
Triethylene Glycol	150	A	A	A	A	I	A	A	I	A	A	A	A	A	I	TB
Trifluralin (Trefalin)	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	TV
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	X	I	I	TVBNS
Turpentine	100	A	X	X	X	A	A	B	X	A	X	A	A	A	A	TVB
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	TB
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	TV
Vinyl Benzene	100	A	X	X	X	A	X	X	X	A	I	A	A	I	I	TV
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	TV
Vinyl Trichloride	100	A	X	X	X	A	X	X	X	A	B	A	A	I	I	TV
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	I	I	I	TBNS

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ContiTech Chemical Hose / Hose Tube Polymer												Insta-Lock Fitting/Metal				
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing & ExtremeFlex	Purple Flexwing & ExtremeFlex	Blue Flexwing	Chem One & Viper	Hi-Per, Conti Chem Superior FEP & Teflon	316 SS	Aluminum	Brass	Gasket	
		Butyl	Hypalon	NR	Viton	Nitrile	Brown CPE	Purple EPDM	& Green XLPE	Alphasyn						
X																
Xylene (Xylo)	100	X	X	X	X	A	X	X	X	A	B	A	A	I	I	TV
Xylidine	100	B	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	B	B	X	TVBN	
Zinc Chloride	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Zinc Chromate	150	A	A	X	I	I	A	X	B	I	A	I	I	I	T	
Zinc Phosphate	100	A	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	X	X	TVBNS	

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Spiraflex Hose Chemical Resistance Guide

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Thermoplastic Hose

	Temp. (F°)	PVC Spirathane	TPE Pliovic Plus	TPR Arvac SW	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°)	PVC Spirathane	TPE Pliovic Plus	TPR Arvac SW	Green Hornet XF
A					
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
Benzine (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
Benzotrichloride	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 Benzyl 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

Food

Dry Transfer

Liquid Transfer

Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

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Specialty

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Spiraflex Hose Chemical Resistance Guide

Rating Scale

A = May be used for Continuous Service

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X = Do not use

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food

Dry Transfer

Liquid Transfer

Washdown

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Thermoplastic Hose

	Temp. (F°)	PVC Polyurethane Spirathane	TPE Pliovic Plus	TPR Arvac SW	Green Hornet XF
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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°)	PVC Polyurethane Spirathane	TPE Pliovic Plus	TPR Arvac SW	Green Hornet XF
--	---------------	-----------------------------------	------------------------	--------------------	--------------------

Chlorotoluene	70*	X		X	X
Chromic Acid	70*	B		B	B
Copper Chloride	70*	A		A	A
Copper Hydrate	70*	I		I	I
Copper Hydroxide	70*	I		A	I
Copper Nitrate	70*	A		A	I
Copper Nitrite	70*	A		A	I
Copper Sulfate	70*	A		A	I
Copper Sulfide	70*	B		A	I
Creosol	70*	X		X	X
Creosote	70*	X		X	X
Crude Oil	70*	B		A	B
Cupric Carbonate	70*	I		A	I
Cupric Chloride	70*	A		A	I
Cupric Nitrate	70*	A		A	I
Cupric Nitrite	70*	A		A	I
Cupric Sulfate	70*	A		A	I
Cyclohexane	70*	X		X	X
Cyclohexanol	70*	X		X	X
Cyclohexanone	70*	X		X	X
Cyclopentane, Methyl	70*	I		A	I
Cyclopentanol	70*	I		A	I
Cyclopentanone	70*	I		A	I
D					
DDT.	70*	I		A	I
DDT. in Kerosene	70*	X		X	X
Decalin	70*	I		B	I
Decanol	70*	I		B	I
Decyl Alcohol	70*	I		A	I
Decyl Butyl Phthalate	70*	X		X	X
Denatured Alcohol	70*	I		A	B
Diacetone Alcohol	70*	B		A	B
Diamyl Phenol	70*	X		X	X
Dibromobenzene	70*	I		X	I
Diбуyl Amine	70*	I		X	I
Diбуyl Phthalate	70*	X		X	X
Diбуyl Sebacate	70*	I		X	I
Dicalcium Phosphate	70*	B		A	B
Dichlorobenzene	70*	X		X	X
Dichlorobutane	70*	I		X	I
Dichlorodiboromethane	70*	X		X	X
Dichloroethane	70*	I		X	I
Dichloroethyl Ether	70*	I		X	I

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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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Spiraflex Hose Chemical Resistance Guide

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Thermoplastic Hose

	Temp. (°F)	PVC Polyurethane Spirathane	TPE Plovic Plus	TPR Arvac SW	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)	PVC Polyurethane Spirathane	TPE Plovic Plus	TPR Arvac SW	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
Methyl Allyl 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 Spirthane	PVC Plus	TPE SW	TPR Green Hornet XF
M (continued)					
Methyl (Normal) Amyl					
Ketone	70°	X		X	X
Methylallyl Chloride	70°	X		X	X
Methyl Propyl Ether	70°	I		A	I
Methyl Propyl Ketone	70°	I		X	I
Methylallyl Acetate	70°	I		X	I
Methylene Bromide	70°	X		X	I
Methylene Chloride	---	X		X	X
Mineral Spirits	70°	I		B	I
Monochlorobenzene	70°	X		X	X
Monochlorodifluoromethane	70°	I		X	I
Muriatic Acid	70°	I		B	A
N					
Naphtha	70°	B		B	X
Naphthalene	70°	B		X	B
Natural Gas		No Hose is recommended for this service			
Nickel Chloride	70°	A		A	B
Nickel Nitrate	70°	A		A	B
Nickel Sulfate	70°	A		A	A
Nitric Acid 10%	70°	A		A	B
Nitric Acid 20%	70°	A		B	A
Nitric Acid 30%	70°	B		B	A
Nitric Acid 30-70%	70°	X		X	X
Nitro Benzene	70°	X		X	X
Nitrogen Gas	70°	A		A	A
Nitrous Oxide	70°	A		A	B
O					
Octanol	70°	I		A	I
Octyl Acetate	70°	I		X	I
Oil Petroleum	70°	A		B	I
Oleic Acid	70°	B		B	B
Oleum	70°	X		X	X
Orthodichlorobenzene	70°	I		X	I
Orthodichlorobenzol	70°	I		X	I
Oxalic Acid	70°	A		A	A
Oxygen		No Hose is recommended for this service			
Ozone	70°	B		B	B
P					
Palmitic Acid	70°	B		B	B
Papermakers Alum	70°	I		A	I
Paradichlorobenzol	70°	I		X	I
Paraffin	70°	B		A	B
Pentachloroethane	70°	I		I	X

Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirthane	PVC Plus	TPE SW	TPR Green Hornet XF
Pentane	70°	B		B	I
Pentanol	70°	I		A	I
Perchloroethylene	70°	X		X	X
Petroleum Ether (Ligroin)	70°	A		B	I
Petroleum, Crude	70°	A		B	X
Petroleum Oils	70°	A		B	X
Phenol	70°	X		X	X
Phenolsulfonic Acid	70°	I		X	I
Phenyl Chloride	70°	I		I	X
Phosphoric Acid 10%	70°	A		A	A
Phosphoric Acid 10%-85%	70°	B		B	A
Polyethylene Glycol	70°	B		B	A
Polypropylene Glycol	70°	B		B	A
Potassium Acetate	70°	I		A	A
Potassium Bisulfate	70°	A		A	A
Potassium Bisulfite	70°	A		A	A
Potassium Carbonate	70°	A		A	A
Potassium Chloride	70°	A		A	A
Potassium Chromate	70°	A		A	A
Potassium Dichromate	70°	A		A	A
Potassium Hydrate	70°	I		A	I
Potassium Hydroxide	70°	B		A	A
Potassium Nitrate	70°	A		A	A
Potassium Silicate	70°	I		A	I
Potassium Sulfate	70°	A		A	B
Potassium Sulfide	70°	A		A	A
Potassium Sulfite	70°	A		A	B
Propanediol	70°	I		A	I
Propanol	70°	I		A	I
Propyl Acetate	70°	I		X	I
Propyl Alcohol	70°	A		A	B
Propyl Chloride	---	X		X	X
Propylene Dichloride	70°	X		X	X
Propylene Glycol	70°	A		I	A
S					
Sea Water	70°	A		A	A
Silicate of Soda	70°	I		B	A
Soda Ash	70°	A		A	A
Soda, Caustic	70°	A		B	A
Soda, Lime	70°	I		B	I
Soda, Niter	70°	I		B	I

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Thermoplastic Hose

	Temp. (F°)	PVC Polyurethane Spirathane Plus	TPE Pliovic SW	TPR Arvac 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°)	PVC Polyurethane Spirathane Plus	TPE Pliovic SW	TPR Arvac Green Hornet XF	
Tetrahydrofuran	70°	X		X	X
Tin Chloride	70°	B		B	B
Tin Tetrachloride	70°	B		B	B
THF	70°	I		X	I
Toluene	70°	X		X	X
Toluidine	70°	I		X	I
Toluol	70°	X		X	X
Transmission Oil "A"	70°	A		B	I
Tributyl Phosphate	70°	X		X	X
Trichlorobenzene	70°	X		X	X
Trichloroethane	70°	I		X	X
Trichloroethylene	70°	X		X	X
Trichloropropane	70°	I		I	X
Triethanolamine	70°	B		B	B
Triethylene Glycol	70°	I		B	I
Triphenyl Phosphate	70°	B		X	I
Trisodium Phosphate	70°	B		B	A
Turpentine	70°	B		B	A
U					
Urea	70°	A		A	A
Undecanol	70°	I		A	I
V					
V.M. & P. Naptha	70°	I		B	I
Vinyl Acetate	70°	I		X	I
Vinyl Benzene	70°	I		X	I
Vinyl Chloride	---	X		X	X
W					
Water	70°	A		A	A
Wood Alcohol	70°	B		B	A
X					
Xylene (Xylo)	70°	X		X	X
Xyldine	70°	I		X	I
Z					
Zinc Carbonate	70°	I		A	A
Zinc Chloride	70°	A		A	B
Zinc Chromate	70°	A		A	I
Zinc Sulfate	70°	A		A	B

General Information

Chemical Properties Of Fluroethylenepropylene (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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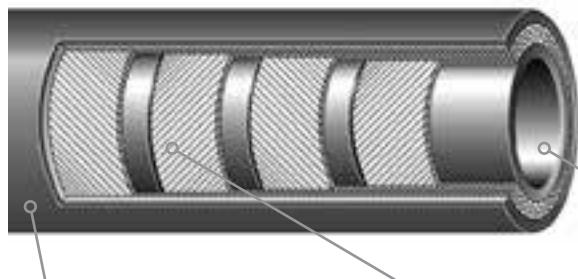
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Basic Hose Construction



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.

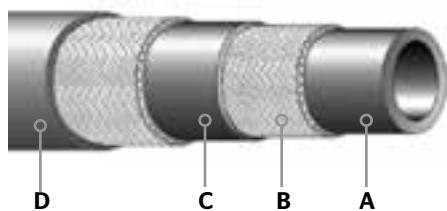
Body or Carcass The body reinforcement is the supporting structure of the hose. It can range from simple to complex combinations and consists of cord, yarn, fabric, wire or any combination of these.

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

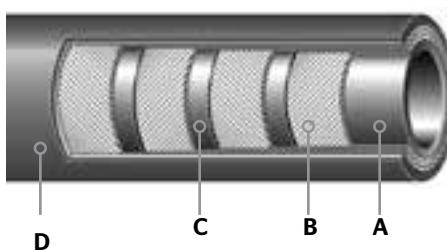


Type 1: Vertical Braided Hose

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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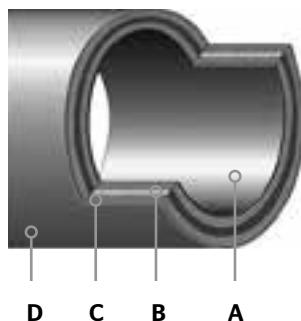
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The Four Basic Methods Of Hose Construction (continued)

Type 3

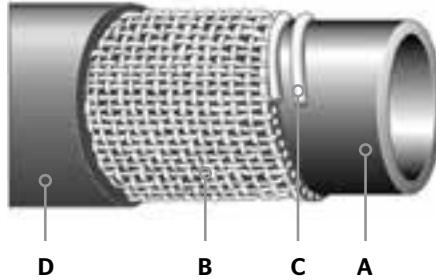


Type 3: Hand-built Spiral-plied Hose

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

Flexible 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. High strength 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.

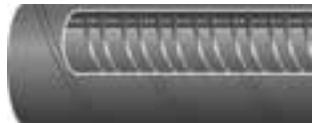
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Definitions of Hose Ends



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 6 $\frac{5}{8}$ " at the end handles a 6" size pipe which has a 6 $\frac{5}{8}$ " OD.) Normally used in hand-built hose constructions.



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Definitions of Hose Ends



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.



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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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Standards Certifications



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.

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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.

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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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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 = $1/\text{Resistance}$.
- 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).

$$(Voltage)^2$$

$$1) \text{ Power Dissipation} = \frac{(Voltage)^2}{\text{Resistance in ohms}}$$

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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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 $+23^\circ\text{C} \pm 2^\circ\text{C}$ ($73.4^\circ\text{F} \pm 3.6^\circ\text{F}$) 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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Electrical Resistance Tests for Hose and Hose Assemblies (continued)

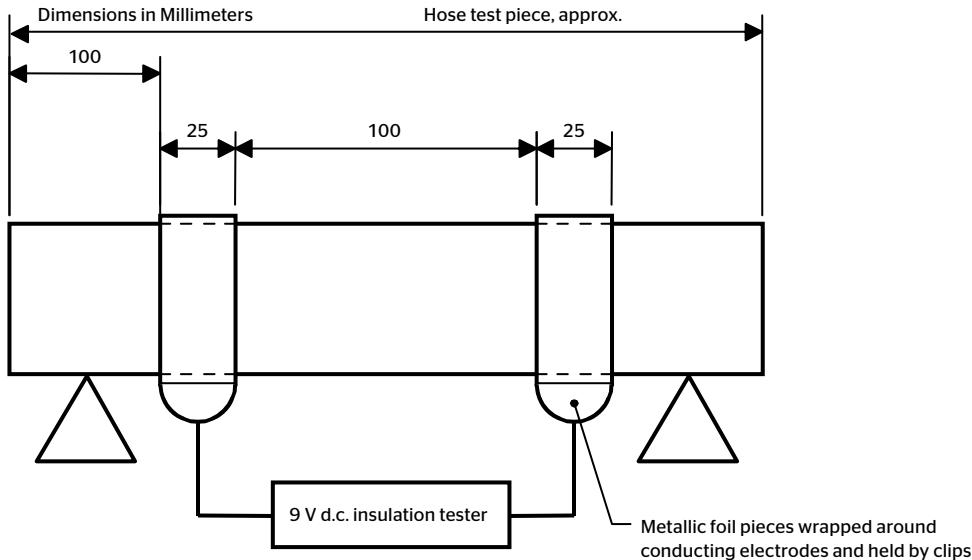


Figure 6-1 – Electrodes and contacts for testing hose

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 \pm 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.

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Electrical Resistance Tests for Hose and Hose Assemblies (continued)

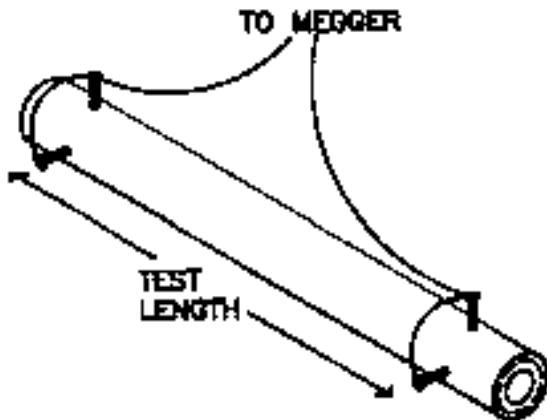


Figure 6-2 - Nail or "Pot Room" Test

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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Elastomers Used in the Manufacture of "Rubber Type" Products

ContiTech Tradename	Industry Designation	Outstanding Feature	Sample Hose
Alphasyn	Modified Cross-Link Polyethylene (Mod XLPE)	Excellent high-temperature chemical resistance.	Tube compound in Viper chemical transfer hose.
Carbryl	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.
Nitrile	Nitrile or Buna-N	Oil, solvent and aromatics resistance.	Tube and cover compound in premium air and multipurpose hose, petroleum transfer hose: Gorilla, Ortac, Flexwing Petroleum.
Chemivic	Nitrile	Oil- and abrasion-resistant compound. Excellent ozone resistance.	Cover compound air/mp hose. Tube compound in food hose: White Flexwing.
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.
Flosyn	Viton	Excellent oil and chemical resistance.	Tube compound in Orange Flexwing chemical hose.
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.
Omegasyn	EPDM (abrasion-resistant)	Excellent abrasion resistance. Mild chemical resistance.	Cover compound: Viper.
SBR	SBR	Good abrasion resistance.	Tube and cover compound in water suction and discharge hose: Plicord Water S&D.
Pyrosyn	EPDM	Heat-resistant.	Tube compound in Flexsteel 250 Steam and Whitewater, Cover on Flexsteel 250 Steam and Flexsteel 250 CB Steam.

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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
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
257	-430		-15.6	4	39.2	17.8	64	147.2	166	330	626	499	930	1706
251	-420		-15.0	5	41.0	18.3	65	149.0	171	340	644	504	940	1724
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
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
212	-350		-11.1	12	53.6	22.2	72	161.6	210	410	770	549	1020	1868
207	-340		-10.6	13	55.4	22.8	73	163.4	216	420	788	560	1040	1904
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
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		-6.7	20	68.0	26.7	80	176.0	254	490	914	638	1180	2156
168	-270		-6.1	21	69.8	27.2	81	177.8	260	500	932	649	1200	2192
162	-260		-5.6	22	71.6	27.8	82	179.6	266	510	950	660	1220	2228
157	-250		-5.0	23	73.4	28.3	83	181.4	271	520	968	671	1240	2264
151	-240		-4.4	24	75.2	28.9	84	183.2	277	530	986	682	1260	2300
146	-230		-3.9	25	77.0	29.4	85	185.0	282	540	1004	693	1280	2336
140	-220		-3.3	26	78.8	30.0	86	186.8	288	550	1022	704	1300	2372
134	-210		-2.8	27	80.6	30.6	87	188.6	293	560	1040	732	1350	2462
129	-200		-2.2	28	82.4	31.1	88	190.4	299	570	1058	760	1400	2552
123	-190		-1.7	29	84.2	31.7	89	192.2	304	580	1076	788	1450	2642
118	-180		-1.1	30	86.0	32.2	90	194.0	310	590	1094	816	1500	2732
112	-170		-0.6	31	87.8	32.8	91	195.8	316	600	1112	843	1550	2822
107	-160		0.0	32	89.6	33.3	92	197.6	321	610	1130	871	1600	2912
101	-150		0.6	33	91.4	33.9	93	199.4	327	620	1148	899	1650	3002
96	-140		1.1	34	93.2	34.4	94	201.2	332	630	1166	927	1700	3092
90	-130		1.7	35	95.0	35.0	95	203.0	338	640	1184	954	1750	3182
84	-120		2.2	36	96.8	35.6	96	204.8	343	650	1202	983	1800	3272
79	-110		2.8	37	98.6	36.1	97	206.6	349	660	1220	1010	1850	3362
73	-100		3.3	38	100.4	36.7	98	208.4	354	670	1238	1038	1900	3452
68	-90		3.9	39	102.2	37.2	99	210.2	360	680	1256	1066	1950	3542
62	-80		4.4	40	104.0	37.8	100	212.0	366	690	1274	1093	2000	3632
57	-70		5.0	41	105.8	43	110	230	371	700	1292	1121	2050	3722
51	-60		5.6	42	107.6	49	120	248	377	710	1310	1149	2100	3812
46	-50		6.1	43	109.4	54	130	266	382	720	1328	1177	2150	3902
40	-40		6.7	44	111.2	60	140	284	388	730	1346	1204	2200	3992
34	-30		7.2	45	113.0	66	150	302	393	740	1364	1232	2250	4082
29	-20		7.8	46	114.8	71	160	320	399	750	1382	1260	2300	4172
23	-10		8.3	47	116.6	77	170	338	404	760	1400	1288	2350	4262
17.8	0		8.9	48	118.4	82	180	356	410	770	1418	1316	2400	4352
			9.4	49	120.2	88	190	374	416	780	1436	1343	2450	4442
			10.0	50	122.0	93	200	392	421	790	1454	1371	2500	4532
			10.6	51	123.8	99	210	410	427	800	1472	1399	2550	4622
			11.1	52	125.6	100	212	413.6	432	810	1490	1427	2600	4712
			11.7	53	127.4	104	220	428	438	820	1508	1454	2650	4802
			12.2	54	129.2	110	230	446	443	830	1526	1482	2700	4892
			12.8	55	131.0	116	240	464	449	840	1544	1510	2750	4982
			13.3	56	132.8	121	250	482	454	850	1562	1538	2800	5072
			13.9	57	134.6	127	260	500	460	860	1580	1566	2850	5162
			14.4	58	136.4	132	270	518	466	870	1598	1593	2900	5252
			15.0	59	138.2	138	280	536	471	880	1616	1621	2950	5342
			15.6	60	140.0	143	290	554	477	890	1634	1649	3000	5432

General Information

Useful Conversion Charts

Decimal and Millimeter Equivalents of Fractions (Inches)

Fractions	Decimals	Millimeters
1/64	.015625	.397
1/32	.03125	.794
3/64	.046875	1.191
1/16	.0625	1.588
5/64	.078125	1.984
3/32	.09375	2.381
7/64	.109375	2.778
1/8	.125	3.175
9/64	.140625	3.572
5/32	.15625	3.969
11/64	.171875	4.366
3/16	.1875	4.763
13/64	.203125	5.159
7/32	.21875	5.556
15/64	.234375	5.953
1/4	.250	6.350
17/64	.265625	6.747
9/32	.28125	7.144
19/64	.296875	7.541
5/16	.3125	7.938
21/64	.328125	8.334
11/32	.34375	8.731
23/64	.359375	9.128
3/8	.375	9.525
25/64	.390625	9.922
13/32	.40625	10.319
27/64	.421875	10.716
7/16	.4375	11.113
29/64	.453125	11.509
15/32	.46875	11.906
31/64	.484375	12.303
1/2	.500	12.700

Fractions	Decimals	Millimeters
33/64	.515625	13.097
17/32	.53125	13.494
35/64	.546875	13.891
9/16	.5625	14.288
37/64	.578125	14.684
19/32	.59375	15.081
39/64	.609375	15.478
5/8	.625	15.875
41/64	.640625	16.272
21/32	.65625	16.669
43/64	.671875	17.066
11/16	.6875	17.463
45/64	.703125	17.859
23/32	.71875	18.256
47/64	.734375	18.653
3/4	.750	19.050
49/64	.765625	19.447
25/32	.78125	19.844
51/64	.796875	20.241
13/16	.8125	20.638
53/64	.828125	21.034
27/32	.84375	21.431
55/64	.859375	21.828
7/8	.875	22.225
57/64	.890625	22.622
29/32	.90625	23.019
59/64	.921875	23.416
15/16	.9375	23.813
61/64	.953125	24.209
31/32	.96875	24.606
63/64	.984375	25.003
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.

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Cement & Concrete

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Dispensing
Dock
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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

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 °F	Temperature °C	Lb. per sq. in. Pressure	Temperature °F	Temperature °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			

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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
$\frac{1}{2}$ in. with Couplings at Each End	50	1.8	5.0	10.1	18.1	—	—	—	—	—	—	—	—	—	
	60	1.3	4.0	8.4	14.8	23.4	—	—	—	—	—	—	—	—	
	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	—	—	—	—	—	—	
	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	—	—	—	—	
$\frac{3}{4}$ in. with Couplings at Each End	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	—	—	—	
	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	—	
	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
$1\frac{1}{2}$ 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
	110	—	.1	.2	.2	.3	.4	.6	.7	.9	1.1	1.3	1.5	1.8	2.1
$1\frac{1}{4}$ in. with Couplings at Each End	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	—
	100	—	—	—	—	.1	.2	.2	.3	.4	.4	.5	.6	.7	—
	110	—	—	—	—	.1	.2	.2	.3	.3	.4	.5	.5	.6	—
$1\frac{1}{2}$ in. with Couplings at Each End	50	—	—	—	—	—	.1	.2	.2	.2	.3	.3	.4	.5	.6
	60	—	—	—	—	—	—	.1	.2	.2	.2	.3	.3	.4	.5
	70	—	—	—	—	—	—	—	.1	.2	.2	.2	.3	.3	.4
	80	—	—	—	—	—	—	—	—	.1	.2	.2	.2	.3	.4
	90	—	—	—	—	—	—	—	—	—	.1	.2	.2	.2	.3
	100	—	—	—	—	—	—	—	—	—	—	1	2	2	2
	110	—	—	—	—	—	—	—	—	—	—	.1	.2	.2	.2

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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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
Chemical Transfer								
Cleaning Equipment								
Food								
Dry Transfer	100	.223	.26					
Liquid Transfer	125	.278	.40					
Washdown	150	.334	.54					
	175	.390	.70	.10				
	200	.446	.90	.13				
Marine								
Abrasives	225	.501	1.08	.16				
Bulk Transfer	250	.557	1.34	.19				
Cement & Concrete	275	.613	1.60	.24				
Mining	300	.668	1.84	.28				
	325	.724	2.04	.33				
Petroleum								
Aircraft Fueling	350	.780	2.30	.37				
Dispensing	375	.836	2.80	.44				
Dock	400	.891	3.10	.49				
Rig Supply	425	.947	3.40	.54				
Transfer Discharge	450	1.00	3.80	.60				
Transfer S&D	475	1.06	4.25	.70				
	500	1.11	4.60	.78	.16			
	550	1.22	5.60	.93	.18			
	600	1.34	6.60	1.10	.23			
	650	1.45	7.60	1.30	.27			
	700	1.56	8.60	1.50	.30			
	750	1.67	9.60	1.70	.34			
	800	1.78	10.80	1.90	.39			
	850	1.89	12.00	2.20	.44			
	900	2.00		2.40	.49			
Specialty								
Steam	950	2.12		2.60	.54			
	1000	2.23		2.80	.59	.19		
Vacuum	1100	2.45		3.20	.66	.23		
	1200	2.67		3.70	.74	.27		
	1300	2.90		4.50	.88	.31		
Water								
Discharge	1400	3.12		5.30	1.10	.35	.15	
Suction & Discharge	1500	3.34		6.20	1.25	.40	.17	
Washdown	1600	3.56		7.00	1.40	.45	.19	
Garden	1800	4.01		8.80	1.80	.54	.24	
	2000	4.45		16.50	2.20	.64	.29	.14
	2500	5.57			3.40	.98	.42	.21
	3000	6.68			4.50	1.40	.58	.29
	3500	7.80			6.20	1.90	.79	.39
	4000	8.91			8.20	2.40	1.00	.50
	4500	10.03			10.20	3.00	1.25	.62
Welding								
Coupling Systems	5000	11.14				3.80	1.50	.74
	6000	13.37				5.20	2.10	1.10
	7000	15.60				7.00	2.80	1.40
Equipment								
Appendix	8000	17.82				9.20	3.70	1.80
	9000	20.05				11.50	4.60	2.30
	10000	22.28					5.70	2.80
	12000	26.74					6.70	3.70
	14000	31.19					10.00	5.00
	16000	35.65					13.50	6.80
	18000	40.10						8.80
	20000	44.56						4.40
								11.00
								5.50

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
	30	18.1	12.5	10.3	8.7	7.7	7.0	6.0	4.9
	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
5/8" Hose	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
	30	31.0	21.3	17.2	14.8	13.0	11.8	10.2	8.2
	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"	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
	50	—	110.0	85.0	72.0	56.0	58.0	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
1 1/4" <td>150</td> <td>—</td> <td>—</td> <td>150.0</td> <td>130.0</td> <td>120.0</td> <td>110.0</td> <td>90.0</td> <td>67.0</td>	150	—	—	150.0	130.0	120.0	110.0	90.0	67.0
	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
	125	—	—	205.0	170.0	155.0	140.0	125.0	97.0
	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
	125	—	—	260.0	230.0	205.0	180.0	160.0	130.0
1 3/8"	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
2"	30	—	—	—	—	—	—	—	—
	40	—	—	—	—	—	—	—	—
	50	—	—	—	—	—	—	—	—
	75	—	—	—	—	—	—	—	—
	100	—	—	—	—	—	—	—	—
	125	—	—	—	—	—	—	—	—

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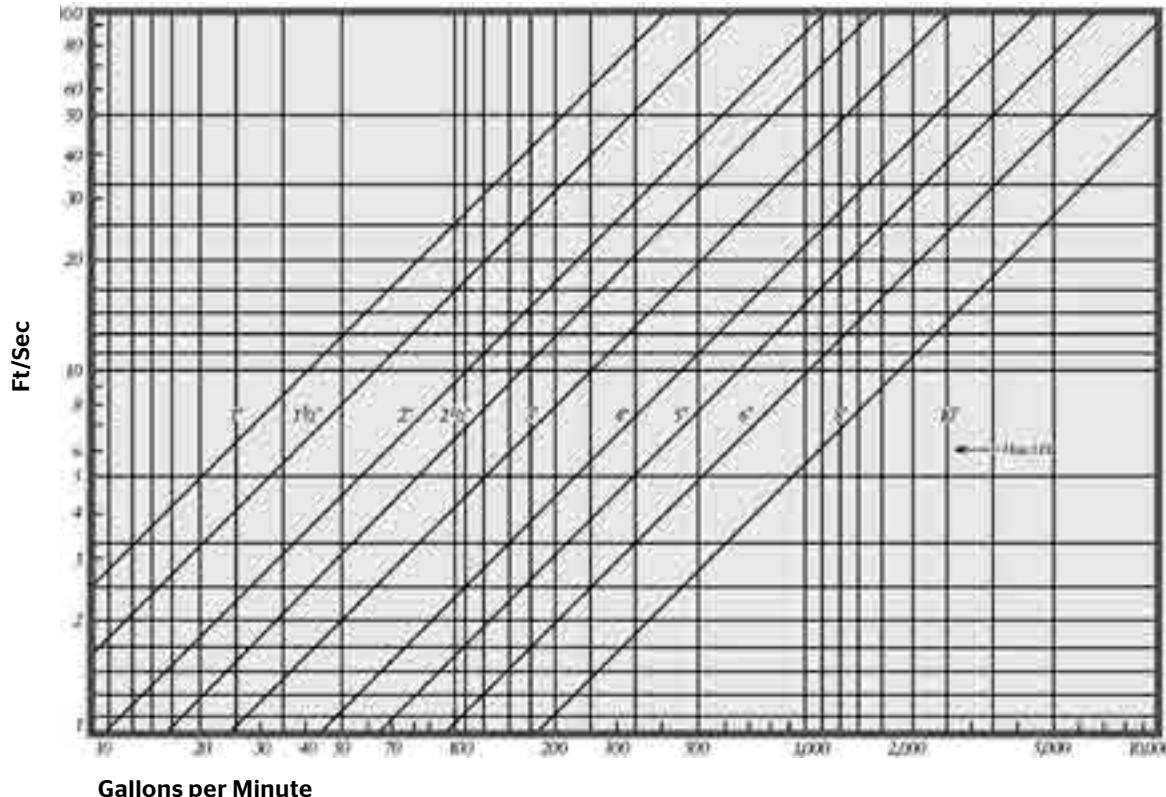
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Fluid Velocity vs. Flow Rate

The graph below illustrates the fluid velocity for flow rates up to 10,000 GPM for hose from 1" through 10" ID



General Information

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.

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- Bulk Transfer

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Petroleum

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply

Transfer Discharge

Transfer S&D

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Vacuum

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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

Air & Multipurpose	Order Code Prefix	Manufacturing Facility	Size (ID)	Construction	Minimum Production Run
General Purpose					
Heavy Duty					
Push-on					
Chemical Transfer	532	Norfolk	5/8"-2"	Textile Reinforcement	2,500 feet
			5/8"-2"	Wire Reinforcement	5,000 feet
Cleaning Equipment	535	Norfolk	3/16"-1 1/4"	Textile Reinforcement	5,000 feet
			3/8"-1"		2,500 feet
Food			1 1/4"-2"		2,000 feet
Dry Transfer	536	Norfolk	3/16"-1 1/4"	Textile Reinforcement	5,000 feet
Liquid Transfer			3/8"-1 1/4"		2,500 feet
Washdown			1 1/2"-2"		2,000 feet
Marine	537	Cosmoflex	1 1/4"-1 1/2"		4,500 feet
			2"		4,500 feet
Material Handling			2 1/2"-3"		4,500 feet
Abrasives			4"		3,300 feet
Bulk Transfer			6"		3,300 feet
Cement & Concrete					
Mining	539	Norfolk	3/16"-1 1/4"	Wire Reinforcement	5,000 feet
			3/8"-2"		2,500 feet
Petroleum	540	Cosmoflex	1/4"-3/8"		15,000 feet
Aircraft Fueling			1/2"-1"		5,000 feet
Dispensing	541	Granford	1"-12"	Hand-Built	Built to length, Max. 100'
Dock			12"-18"	Hand-Built	Built to length, Max. 50'
Rig Supply					
Transfer Discharge	542	Granford	1/2"-6 5/8"	Ply or Ply with Helic Wire	400 feet increments ¹
Transfer S&D	543	Granford	1/2"-6 5/8"	Ply or Ply with Helic Wire	400 feet increments ¹
Specialty	546	Granford	1/2"-6 5/8"	Ply or Ply with Helic Wire	400 feet increments ¹
	549	Granford	1/2"-6 5/8"	Ply or Ply with Helic Wire	400 feet increments ¹
Steam	569*	Mt. Pleasant	3/16"-1 1/2"		5,000 feet
Vacuum	586	Cosmoflex	3/4"-1"		2,000 feet
			1 1/4"-2"		2,000 feet
			2 1/2"-3"		1,000 feet
Water			4"		700 feet
Discharge			5"		500 feet
Suction & Discharge			6"		500 feet
Washdown			7"		200 feet
Garden			8"-10"		200 feet
Welding	595*	Mt. Pleasant	3/16"-1/2"		5,000 feet
			5/8"-1"		5,000 feet
			1 1/4"-2"		5,000 feet
Coupling Systems	598*	Mt. Pleasant	3/16"-1/2"		5,000 feet
Equipment			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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5. Provisions must be made to protect testing personnel from the forces of the pressure media if a failure occurs.
6. Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.
7. 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

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