

CHOICES



Flexible Components Fluoropolymer Hose and Fittings

Saint-Gobain Flexible Components Fluoropolymer Hose and Fittings

Table of Contents

Chemfluor® Fluoropolymer Hose Styles

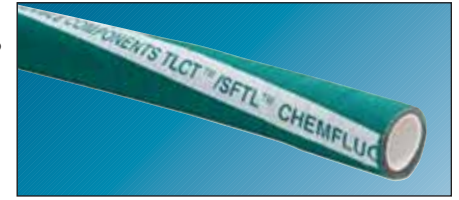
Smooth Tube Designs Rubber Covered Chemfluor® Smooth ID Transfer Hose	p.2
Stainless Steel Braided Hose	p.3
Stainless Steel Braided Hose with Flare-Thru Fittings	p. 3
Convuluted ID Transfer Hoses	p. 3
Convuluted ID Transfer Hoses Open Pitch	p. 4
Convuluted ID Transfer Hoses Low Profile	p. 4
Fitting End Connections	
Sanitary Styles	p.5
Flanged Connections	p. 5
Male Cam & Groove Fitting End Connections	p.6
Female Cam-Lock (Cam & Groove)	p.6
Compression, O-ring and Vacuum Style Fittings	p. 6
Male NPT, Female NPT Male/Female Unions, Female JIC	p. 7
Chemfluor® Adapters	p. 7

CHEMFLUOR® FLUOROPOLYMER HOSE STYLES

SMOOTH TUBE DESIGNS RUBBER COVERED CHEMFLUOR® SMOOTH ID TRANSFER HOSES

TLCT:

Smooth I.D. Chemfluor® FEP fluoropolymer lined EPDM rubber hose (green)



Size range:

1/2" to 4"

Temperature rated:

-40°F to +350°F

End connections:

PermaSeal® crimp style; Flare-Thru C/F for available sizes/styles

WTLCT:

Smooth I.D. Chemfluor® FEP fluoropolymer lined EPDM rubber hose (white)



Size range:

1/2" to 4"

Temperature rated:

-40°F to +350°F

End connections:

PermaSeal® crimp style; Flare-Thru C/F for available sizes/styles

WSIB:

Smooth Inner Bore - sanitary tubing sized smooth Chemfluor® FEP fluoropolymer lined EPDM rubber hose (white)



Size range:

1" to 3"

Temperature rated:

-40°F to +350°F

End connections:

Flare-Thru sanitary fittings only C/F for available sizes/styles

WTLCTPFA:

Smooth ID, ultra pure unpigmented Chemfluor® PFA lined white EPDM rubber covered transfer hose



Size range:

3/4" to 2" ID

Temperature rated:

-40°F to +350°

End connections:

PermaSeal® crimp style; Flare-Thru C/F for available sizes/styles

TLCTCO:

Smooth I.D. Chemfluor® FEP lined EPDM rubber hose with "Convuluted Outer" for improved flexibility.



Size range:

3/4" to 2" ID

Temperature rated:

-40°F to +350°F

End connections:

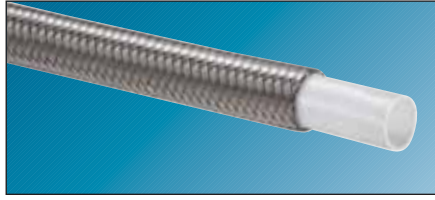
PermaSeal® crimp style; Flare-Thru C/F for available sizes/styles

CHEMFLUOR® FLUOROPOLYMER HOSE STYLES

STAINLESS STEEL BRAIDED HOSE

TS:

True bore smooth I.D. Chemfluor® PTFE tube, 304 stainless steel braid reinforced hose.



Size range:

1/8" to 1" I.D.

Temperature rated:

-100°F to +450°F continuous;
+500°F intermittent

End connections:

PermaSeal® crimp style

TD:

1-1/2" version of TS with two 304 stainless steel reinforcing braids

Temperature rated:

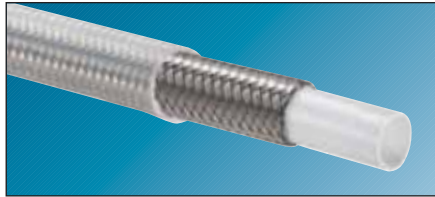
-100°F to +450°F continuous;
+500°F intermittent

End connections:

PermaSeal® crimp style

TSS:

Platinum cured, extruded silicone covered 304 stainless steel reinforced Chemfluor® PTFE smooth tube hose.



Size range:

1/4" to 1" I.D.

Temperature rated:

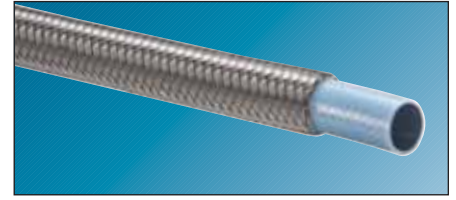
-100°F to +450°F continuous;
+500°F intermittent

End connections:

PermaSeal® crimp style

TB :

Anti-static (black) true bore smooth I.D. Chemfluor® PTFE tube. 304 stainless steel braid reinforced hose.



Size range:

1/4" to 1" I.D.

Temperature rated:

100°F to +450°F continuous;
+500°F intermittent

End connections:

PermaSeal® crimp style

TDB:

1/2" version of TB; two 304 stainless steel reinforcing braids.

Temperature rated:

-100°F to +450°F continuous;
+500°F intermittent

End connections:

PermaSeal® crimp style

TH:

Anti-static (black) Chemfluor® PTFE tube, 304 high density stainless steel braid reinforcement. Pressure rated for 5000 psi all sizes.



Size range:

1/4" to 1" I.D.

Temperature rated:

-65°F to +400°F continuous;
PermaSeal® crimp style

End connections:

SMOOTH TUBE CHEMFLUOR® LINED STAINLESS STEEL BRAIDED HOSE WITH FLARE-THRU FITTINGS

MTL:

Smooth I.D. Chemfluor® FEP fluoropolymer lined 304 stainless steel metal hose.



Size range:

1" to 8"

Temperature rated:

-65°F to +350°F

End connections:

Flare-Thru fittings only; flanged, female cam-lock and sanitary. C/F for available fittings by hose I.D.

MTLSJ:

Smooth I.D. Chemfluor® FEP fluoropolymer lined 304 stainless steel jacketed hose within a hose.



Size range:

1" to 3" I.D.

Temperature rated:

-65°F to +350°F

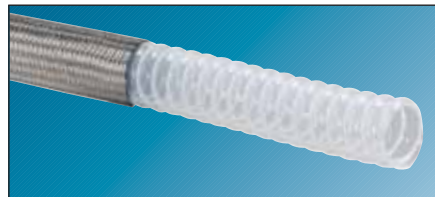
End connections:

Flare-Thru fittings only; flanged, female cam-lock and sanitary. C/F for available fittings by hose I.D.

CONVOLUTED ID TRANSFER HOSES - OPEN PITCH

TWOB:

Open pitch Chemfluor® (white) PTFE helical convoluted I.D. hose; 316 stainless steel braid reinforcement.



Size range:

1/2" to 4" I.D.

Temperature rated:

-100°F to +450°F

End connections:

Flare-Thru; flanged, female cam-lock and sanitary; PermaSeal® crimp style

TWOBHV:

Vacuum rated 316 stainless steel braid reinforced version of TWOB. Includes optional stainless steel support wire for improved vacuum and kink resistance.



Size range:

2" to 4" I.D.

Temperature rated:

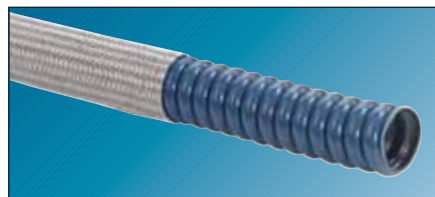
-100°F to +450°F

End connections:

Flare-Thru; flanged, female cam-lock and sanitary; PermaSeal® crimp style

TBOB:

Anti-static (black) version of open pitch Chemfluor® PTFE helical convoluted I.D. hose.



TBOBHV:

Anti-static (black) version of TWOBHV; shares sizes, temperature rating and end connections. (Not Shown)

Shares sizes, temperature rating and end connections of TWOB.

CHEMFLUOR® FLUOROPOLYMER HOSE STYLES

CONVOLUTED ID TRANSFER HOSES, OPEN PITCH

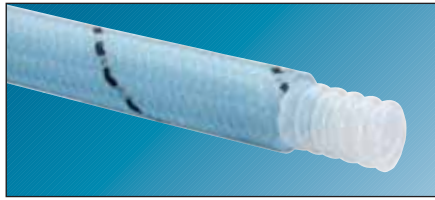
TWOY :

Open pitch Chemfluor® (white) PTFE helical convoluted I.D. hose; U.V. stabilized large diameter (denier) polypropylene braid reinforcement.

Size range:

Temperature rated:

End connections:



1/2" to 4" I.D.

-40°F to +250°F

Flare-Thru; flanged, female cam-lock and sanitary; PermaSeal® crimp style

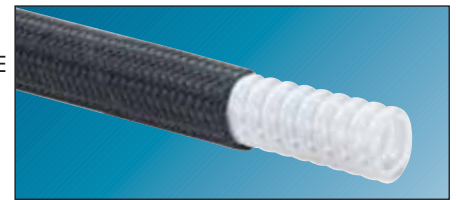
TWOK:

Open pitch Chemfluor® PTFE helical convoluted I.D. hose; PVDF (Kynar) braid reinforcement.

Size range:

Temperature rated:

End connections:



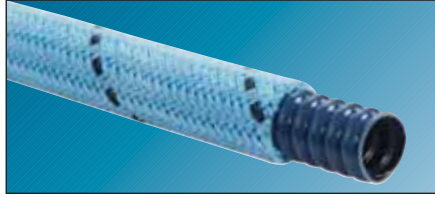
3/4" to 3" I.D.

-40°F to +275°F

Flare-Thru; flanged, female cam-lock and sanitary; PermaSeal® crimp style

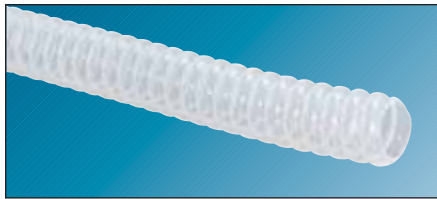
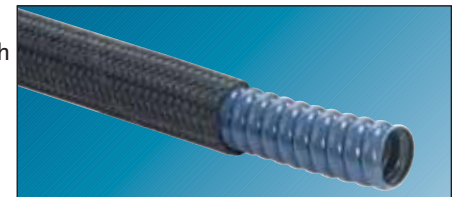
TBOY:

Anti-static (black) version of TWOY. Shares sizes, temperature rating and end connections of TWOY.



TBOK:

Anti-static (black) open pitch Chemfluor® PTFE helical convoluted I.D. hose. Shares sizes, temperature rating and end connections of TWOK.



Size range:

Temperature rated:

End connections:

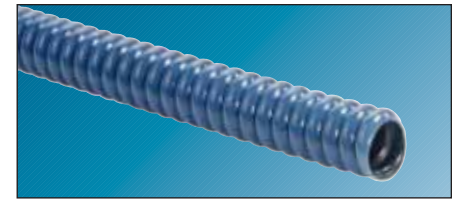
TWOP/TBOP:

Unbraided Chemfluor® (white, TWOP) and anti-static (black, TBOP) PTFE helical convoluted I.D. hose.

1/4" to 4" I.D.

-100°F to +450°F

PermaSeal® crimp style; Flare-Thru; flanged, female cam-lock and sanitary. Also available with "cuffed" ends to slip over pipe or tube O.D. connections.



CONVOLUTED TRANSFER HOSE, LOW PROFILE

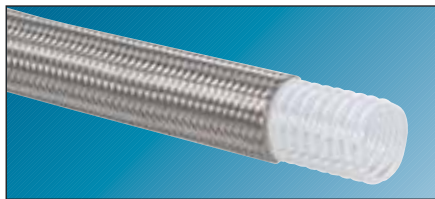
WCS:

Chemfluor® (white) FEP fluoropolymer low profile helical convoluted I.D. hose; 304 high tensile strength stainless steel braid reinforcement.

Size range:

Temperature rated:

End connections:



3/8" to 2" I.D.

-65°F to +400°F

PermaSeal® crimp style

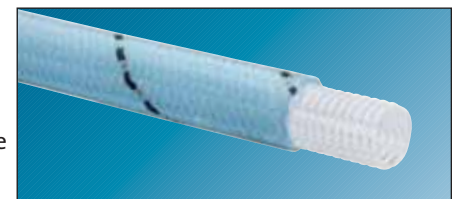
WCP:

Chemfluor® (white) FEP fluoropolymer low profile helical convoluted I.D. hose. U.V. stabilized polypropylene braid reinforcement.

Size range:

Temperature rated:

End connections:



1/2" to 1" I.D.

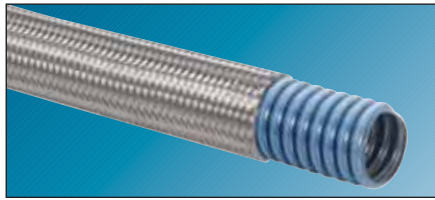
-40°F to +250°F

PermaSeal® crimp style

BCS:

Anti-static (black) Chemfluor® PTFE low profile version of WCS. Shares size range and end connections.

Temperature rated:



-100°F to +450°F

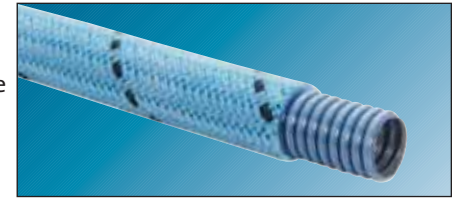
BCP:

Anti-static (black) Chemfluor® PTFE low profile version of WCP. Shares size range and end connections.

Size range:

Temperature rated:

End connections:



1/2" to 1" I.D.

-40°F to +250°F

PermaSeal® crimp style

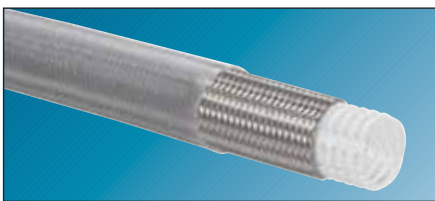
WCSS:

Platinum cured, extruded silicone covered stainless steel reinforced Chemfluor® (white) FEP fluoropolymer low profile convoluted I.D. hose.

Size range:

Temperature rated:

End connections:



3/8" to 2" I.D.

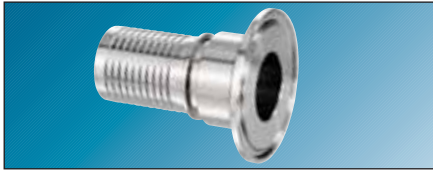
-65°F to +400°F

PermaSeal® crimp style

FITTING END CONNECTIONS

SANITARY STYLES

Sanitary clamp style, 316L stainless steel
[Style 10](#)



Sanitary clamp style 90° elbow, 316L stainless steel
[Style 10L](#)
Sanitary & hose barb same size



Sanitary "jump" styles clamp style, 316L stainless steel
[Style 10U](#) - 1 step up
[Style 10UU](#) - 2 steps up



Sanitary "mini", 316L stainless steel
[Style 11](#)



Sanitary "mini" jump size, 316L stainless steel
[Style 11U](#)



Sanitary 90° elbow "mini", 316L stainless steel
[Style 11L](#)
Mini sanitary & hose barb same size



Note: 45° elbows also available full size (style 10L45) & "mini" size (style 11L45)

FLANGED CONNECTIONS CLASS 150 LAP JOINT FLANGES SHOWN • CLASS 300 LAP JOINT FLANGES AVAILABLE

316L Flange retainer with:
304 or 316L lap joint flanges
[Style 12S6](#) - 316L flange
[Style 12S4](#) - 304 flange



Epoxy coated carbon steel lap joint flange
[Style 12C](#) - epoxy carbon steel flange



"Flare-Thru" flange retainer:
Chemfluor® fluoropolymer lined
[Style 12FTC](#) - epoxy coated carbon steel
[Style 12FT6](#) - 316L flange
[Style 12FT4](#) - 304 flange



Bevel seat/nut, 316L stainless steel insert
304 stainless steel nut
[Style 20](#)



Bevel seat, male threads, 316L stainless steel
[Style 40](#)



Sanitary "maxi" size for Sani-Tech® Rigid connections, 316L stainless steel
[Style 25](#)



Male I-line, 316L stainless steel
[Style 50](#)



Female I-line, 316L stainless steel
[Style 51](#)



Butt Weld, sanitary tube size
316L stainless steel
[Style 41](#)



Chemfluor® PFA Encapsulated flange retainer: 304 or 316L stainless steel lap joint flange
[Style 12T6](#) - 316L flange
[Style 12T4](#) - 304 flange



Chemfluor® PFA encapsulated flange retainer:
[Style 12TC](#) - epoxy coated carbon steel



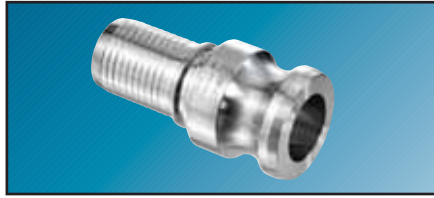
C/F for hose type with Flare-Thru flange option.

Note: Class 300# flanged assemblies must be cross checked for hose/fitting pressure rating.

FITTING END CONNECTIONS

MALE CAM & GROOVE

316L stainless steel male cam & groove
[Style 17](#) - Male & hose barb same size
[Style 17U](#) - Male is one size larger than Hose Barb



Chemflur® PFA Encapsulated male cam & groove
[Style 17T](#) - male & hose barb same size



Chemflur® fluoropolymer Flare-Thru male cam & groove fittings available on selected hose styles & sizes. C/F for availability

FEMALE CAM-LOCK (CAM & GROOVE)

Female cam-lock, swivel style non-locking arms
 316L insert
 316 stainless steel body
[Style 16](#)



Female cam-lock, swivel style non-locking arms
 Chemflur® PFA encapsulated insert with 316 stainless steel body
[Style 16T](#)



Female cam-lock swivel style locking arms
 316L insert
 316 stainless steel body
[Style 16LK](#)



Female cam-lock, swivel style locking arms
 Chemflur® PFA encapsulated insert
 316 stainless steel body
[Style 16TLK](#)



Female cam-lock, swivel style locking and non-locking arms
 Chemflur® "Flare-Thru" option
[Style 16FTLK](#) - locking arms
[Style 16FTS6](#) - non-locking arms

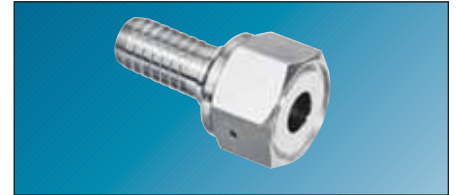


COMPRESSION, O-RING AND VACUUM STYLE FITTINGS

Compression connector
 316L stainless steel
[Style 31](#)
 1/4" to 1" Sizes
 hose barb & connector same size
 Step-up & step-down sizes available; C/F



O-ring style
 316L stainless steel
 1/4"-1/2" sizes
[Style 33](#)



Compression connector w/nut & ferrules
 316L stainless steel
 1/4" to 1" sizes
[Style 31FN](#)
 Hose barb & connector same size
 Step-up & step-down sizes available; C/F



Vacuum fitting, female
 316L stainless steel
 1/4" & 1/2" sizes
[Style 34](#)



Compression tube adapter
 316L stainless steel
 1/4" to 1" sizes
[Style 32](#)
 Hose barb & tube same size
 step-up & step-down sizes available; C/F



Vacuum fitting, male
 316L stainless steel
 1/4" & 1/2" sizes
[Style 35](#)



Compression tube adapter w/nut & ferrule
 316L stainless steel
 1/4" - 1" Sizes
 Available preswaged from factory
[Style 32FN](#)





FITTING END CONNECTIONS

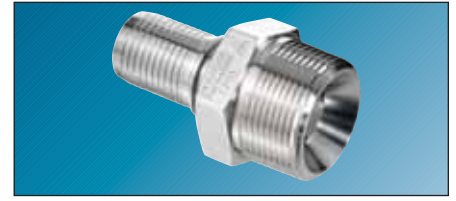
MALE NPT, FEMALE NPT, MALE/FEMALE UNIONS, FEMALE JIC

Male NPT; 316 L stainless steel hex style
[Style o3](#) - MNPT & hose barb same size



Male NPT jump sizes hex style; 316L stainless steel

[Style o3U](#) - step-up
[Style o3D](#) - step-down
2-1/2" & larger fittings have "wrench flats"
[Style o4](#) - male NPT, plain



Female NPT
[Style o6](#) - Hex style; 316L stainless steel
Hose barb & female NPT same size
[Style o5](#) - female NPT, plain

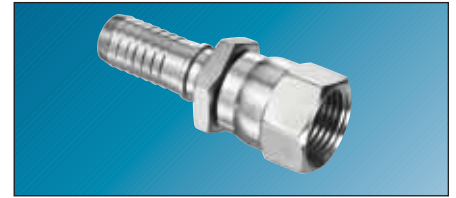


UNIONS/FEMALE JIC

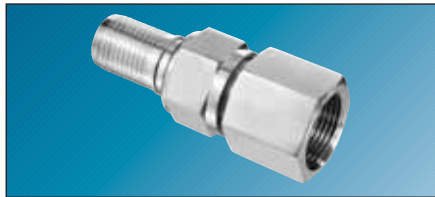
Male union 316L stainless steel
JIC x male NPT pipe adapter
[Style o8](#) - hose and MNPT barb same size
[Style o8U](#) - step-up
[Style o8D](#) - step-down



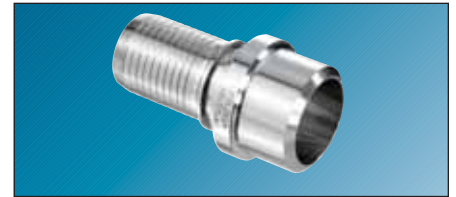
Female JIC swivel anti-torque style 316L stainless steel
[Style o2HSN](#) - JIC & hose barb same size



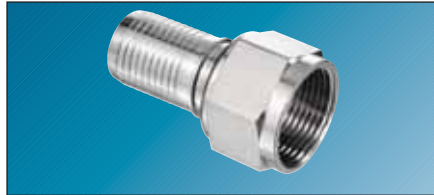
Female union 316L stainless steel
JIC x female pipe adapter
[Style o7](#) - same size FNPT pipe x hose barb
[Style o7U](#) - step-up
[Style o7D](#) - step-down



Butt Weld, 316L stainless steel "pipe size"
[Style o1](#)
Pipe size & hose barb same size. Length & pipe schedule can be custom manufactured. C/F



Female JIC swivel 316L stainless steel insert, 304 stainless steel swivel nut
[Style o2](#) - JIC & hose barb same size



CHEMFLUOR® ADAPTERS

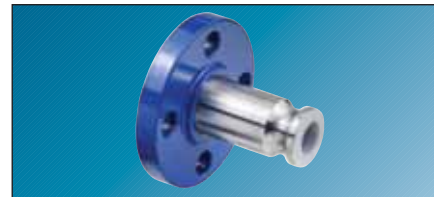
Chemfluor® PFA encapsulated 316 male cam & groove x 150# Lap joint (swivel) flange adapter
[Style 18T6](#) - 316L stainless steel flange
[Style 18T4](#) - 304 stainless steel flange



Chemfluor® PFA encapsulated 316 stainless steel "spool" adapter for connecting two Chemfluor® lined female cam & groove fittings
[Style 19T](#)



Chemfluor® PFA encapsulated 316 male cam & groove x 150# lap joint (swivel) flange adapter
[Style 18TC](#) - epoxy coated carbon steel flange
C/F for 300# flange



Manufacturing Facilities

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www.reseal.com

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www.tygon.com

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www.medical.saint-gobain.com
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www.tanks.saint-gobain.com

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www.medical.saint-gobain.com

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