



Saint-Gobain Versilon™ Fluoropolymer Hose and Fittings

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Versilon™ Fluoropolymer Hose Styles

Rubber Covered Smooth ID Transfer Hose

TLCT

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

: 1/2" to 4" I.D. Size range : -40°F to Temperature rated

+350°F

End connections : Permanent crimp style;

Consult factory for available

sizes/styles

TLCTCO

Smooth I.D. FEP lined EPDM rubber hose with "Convoluted Outer" for improved flexibility

Size range : 3/4" to 2" I.D.

: -40°F to Temperature rated

+350°F

End connections : Permanent crimp style;

Flare-Thru

Consult factory for available

sizes/styles

WTLCT

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

: 1/2" to 4" I.D. Size range : -40°F to Temperature rated

+350°F

End connections : Permanent crimp style;

Flare-Thru

Consult factory for available

sizes/styles

WTLCTPFA

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

Size range : 3/4" to 2" I.D. : -40°F to

Temperature rated +350°F

End connections : Permanent crimp style;

Flare-Thru

Consult factory for available

sizes/styles









Stainless Steel Smooth ID Braided Hose

TS

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

: 1/8" to 1" I.D. Size range

: -100°F to Temperature rated +450°F

continuous:

+500°F intermittent **End connections** : Permanent crimp style

TD

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

: -100°F to +450°F continuous; Temperature rated

+500°F intermittent

End connections : Permanent crimp style

TSS

Platinum cured, extruded silicone covered 304 stainless steel reinforced 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 : Permanent crimp style

TB

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

: 1/4" to 1" I.D. Size range : 100°F to Temperature rated

+450°F

continuous; +500°F intermittent

End connections : Permanent crimp style

TDB

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

: -100°F to +450°F continuous; Temperature rated

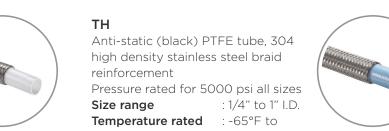
+500°F intermittent

End connections : Permanent crimp style

+400°F

continuous;

End connections : Permanent crimp style



Convoluted ID Transfer Hoses - Open Pitch

TWOB

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

: 1/2" to 4" I.D. Size range Temperature rated : -100°F to

+450°F

End connections : Flare-Thru; flanged, female cam-lock

and sanitary; Permanent crimp style

TBOB

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



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; crimp style

TBOBHV

Anti-static (black) version of TWOBHV; shares sizes, temperature rating and end connections (not shown)



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TBOY

Anti-static (black) version of TWOY

: 1/2" to 4" I.D. Size range : -40°F to **Temperature rated**

+250°F

End connections : Flare-Thru;

flanged, female cam-lock and

sanitary; Permanent crimp style

TWOY

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

Size range : 1/2" to 4" I.D. Temperature rated : -40°F to

+250°F

End connections : Flare-Thru; flanged, female cam-lock

and sanitary; Permanent crimp style

TBOK

Anti-static (black) open pitch PTFE helical convoluted I.D. hose

Size range : 3/4" to 3" I.D.

: -40°F to +275°F

End connections : Flare-Thru;

> flanged, female cam-lock and sanitary; Permanent crimp style

TWOK

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

reinforcement

Temperature rated

Size range : 3/4" to 3" I.D.

Temperature rated : -40°F to

+275°F

End connections : Flare-Thru;

> flanged, female cam-lock and sanitary; Permanent crimp style



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

: 1/4" to 4" I.D Size range Temperature rated : -100°F to +450°F

End connections : Permanent 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

White PTFE fluoropolymer low profile helical convoluted I.D. hose; 304 high tensile strength stainless steel braid reinforcement

Size range : 3/8" to 2" I.D. : -65°F to +400°F Temperature rated **End connections** : Permanent crimp

style

WCSS:

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

Size range : 3/8" to 2" I.D. Temperature rated : -65°F to

+400°F

End connections : Permanent crimp style

WCP

White PTFE fluoropolymer low profile helical convoluted I.D. hose. U.V. stabilized polypropylene braid reinforcement

Size range : 1/2" to 1" I.D. : -40°F to +250°F Temperature rated

End connections : Permanent crimp

style

BCP:

Anti-static (black) PTFE low profile version of WCP, shares size range and end connections

Size range : 1/2" to 1" I.D.

Temperature rated : -40°F to

+250°F

End connections : Permanent

crimp style

BCS

Anti-static (black) PTFE low profile version of WCS, shares size range and end connections

: 3/8" to 2" I.D. Size range **Temperature rated** : -65°F to

+400°F

End connections : Permanent crimp style





Chlorine Hose

PTFE convoluted inner tube with PVDF braid manufactured in accordance with Chlorine Institute Pamphlet 6 specifications

Size range : 1/2" to 1-1/2" I.D.

: -40°F to **Temperature rated**

+120°F

End connections : Permanent crimp style (high nickel

and PVDF)





Versilon™ Fitting End Connections

Sanitary

Sanitary clamp style, 316L stainless steel Style 10



Sanitary "jump" styles clamp style, 316L stainless steel

Style 10U - 1 step up Style 10UU - 2 steps up





Sanitary clamp style 90° elbow, 316L stainless steel



Sanitary "mini", 316L stainless steel

Style 11

Sanitary "mini" iump 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)



Style 25

steel

Male I-line, 316L stainless steel Style 50



Bevel seat, male threads. 316L stainless steel Style 40



Female I-line. 316L stainless steel Style 51



Bevel seat/nut, 316L stainless steel insert 304 stainless steel nut

Style 20

Butt Weld, sanitary tube size 316L stainless steel Style 41



Fittings made from other materials such as high nickel alloys and PVDF are available. Contact us for more information.

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



PFA Encapsulated flange retainer: 304 or 316L stainless steel lap joint flange

Style 12T6 - 316L flange

Style 12T4 - 304 flange



PFA encapsulated flange retainer: Style 12TC -

epoxy coated carbon steel



"Flare-Thru" flange retainer: fluoropolymer lined

Style 12FTC epoxy coated carbon steel

Style 12FT6 - 316L flange Style 12FT4 - 304 flange





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



Chemfluor® PFA Encapsulated male cam & groove Style 17T - Male & hose barb same size



Fluoropolymer encapsulated male cam & groove fittings available on selected hose styles & sizes

Consult factory for availability

Female Cam-Lock (Cam & Groove)

Female cam-lock, swivel style nonlocking arms 316L insert 316 stainless steel body **Style 16**



Female cam-lock, swivel style nonlocking arms PFA encapsulated insert with 316 stainless steel body

Style 16T



Female camlock swivel style locking arms 316L insert 316 stainless steel body **Style 16LK**



Female cam-lock, swivel style locking arms PFA encapsulated insert 316 stainless steel body





Female camlock, swivel style locking and nonlocking arms "Flare-Thru" option

Style 16FTLK - locking arms

Style 16FTS6 - non-locking arms

Fluoropolymer Flare-Thru female cam & groove fittings available on selected hose styles & sizes

Consult factory for availability

Compression, O-Ring and Vacuum

Compression connector 316L stainless steel **Style 31**

1/4" to 1" Sizes hose barb & connector same size Step-up & step-down sizes available; consult factory

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; consult factory

Vacuum fitting,female 316L stainless steel 1/4" & 1/2" sizes

Style 34





Vacuum fitting, male 316L stainless steel 1/4" & 1/2" sizes **Style 35**

Compression

Style 32

tube adapter 316L

stainless steel 1/4" to 1" sizes

Hose barb & tube

same size step-up

& step-down sizes

available; consult factory



Compression tube adapter w/nut & ferrule 316L stainless steel

1/4" - 1" Sizes available preswaged from factory **Style 32FN**





NPT

Male NPT: 316 L stainless steel hex style

Style 03 - 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 04 - Male NPT, plain





Female NPT Style 06 - Hex style; 316L stainless steel Hose barb & female NPT same size





Unions/Female JIC

Male union 316L stainless steel JIC x male NPT pipe adapter

Style 08 - Hose and MNPT barb same size

Style 08U - Step-up Style O8D - Step-down

Butt Weld. 316L stainless steel "pipe size" Style 01 Pipe size & hose barb same size, length & pipe schedule can be



custom manufactured; consult factory

Female union 316L stainless steel JIC x female pipe adapter

Style 07 - Same size FNPT pipe x hose barb

Style 07U - Step-up Style O7D - Step-down

Female JIC swivel 316L stainless steel insert, 304 stainless steel swivel nut

hose barb same size



Female JIC swivel anti-torque style 316L stainless

Style O2HSN - JIC & hose barb same size



Style 02 - JIC &



Versilon™ Adapters

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

PFA encapsulated 316 male cam & groove x 150# lap joint (swivel) flange adapter

Style 18TC -Epoxy coated carbon steel flange Consult factory for 300# flange



PFA encapsulated 316 stainless steel "spool" adapter for connecting two fluoropolymerlined female cam & groove fittings





Fluoropolymer Hose and Fitting Selection Guide



Fluid Performance

Premium quality tubing, hoses and fittings fulfilling a range of demanding certification, performance and safety standards.



Precision-designed tubing for peak performance and regulatory compliance, across a range of specialized fluid transfer applications.







Performance Plastics

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