



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; Flare-

Thru C/F 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 C/F for available sizes styles



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

Size range : 1" to 3" I.D. Temperature rated : -40°F to

Outer" for improved flexibility.

+350°F

End connections : Flare-Thru sanitary fittings only

C/F 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 C/F for available sizes/styles



Smooth I.D. FEP lined EPDM : 3/4" to 2" I.D. Size range rubber hose with "Convoluted Temperature rated : -40°F to +350°F

> : Permanent crimp style; Flare-Thru C/F **End connections**

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.

: -100°F to Temperature rated

> +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.

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

+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

TH

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

: 1/4" to 1" I.D. Size range

Temperature rated : -65°F to

+400°F

continuous:

End connections : Permanent crimp style



MTL

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

: 1" to 8" Size range 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.

Stainless Steel Smooth ID Braided Hose with Flare-Thru Fittings **MTLSJ**

Smooth I.D. 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.



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

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

+450°F

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

and sanitary; Permanent 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. : -100°F to +450°F Temperature rated

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)



Anti-static (black) version of open pitch PTFE helical Shavesusizeds. Demoserature rating and end connections of TWOB.







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 Temperature rated

+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.

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



TWOP/TBOP

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 FEP 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) FEP 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 FEP 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

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

+250°F

End connections : Permanent

crimp style

Size range

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

Style 10L Sanitary & hose barb same size



Sanitary "mini", 316L stainless steel Style 11



Sanitary "mini" iump size. 316L stainless steel Style 11U

Bevel seat/nut,

steel insert 304 stainless steel

316L stainless

nut

Style 20



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

Male I-line, 316L stainless steel Style 50



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



ButtWeld, sanitary tube size 316L stainless steel Style 41





Female I-line. 316Lstainless steel Style 51



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

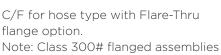
Style 12T6 - 316L flange



"Flare-Thru" flange retainer: fluoropolymer lined

Style 12FTC epoxy coated carbon steel

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



must be cross checked for hose/fitting pressure rating.



Style 12T4 - 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 & aroove Style 17T - male & hose barb same size



Fluoropolymer encapsulated male cam & groove fittings available on selected hose styles & sizes. C/F 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

Style 16TLK



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. C/F 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; C/F

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



Vacuum fitting, male steel



316L stainless 1/4" & 1/2" sizes Style 35

Compression

to 1" sizes

Style 32

tube adapter 316L

stainless steel 1/4"

Hose barb & tube

same size step-up

available; C/F



O-ring style 316L stainless steel 1/4"-1/2" sizes Style 33

Style 32FN



Compression tube adapter w/nut & ferrule 316L stainless steel 1/4" - 1" Sizes Available preswaged from factory



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 03U - 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

Style 05 - female NPT, plain



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

ButtWeld, 316L stainless steel "pipe size" Style 01 Pipe size & hose

schedule can be custom manufactured. C/F



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 Style 02 - JIC &

hose barb same size



Female JIC swivel anti-torque style 316L stainless

Style O2HSN - JIC & hose barb same size



barb same size. Length & pipe



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 C/F for 300# flange



PFA encapsulated 316 stainless steel "spool" adapter for connecting two fluoropolymerlined female cam & groove fittings Style 19T



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.



Phthalate-free, bio-based tubing product line for the food and beverage market.









IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain materials for all intended uses. Laboratory, field or clinical tests must be conducted in accordance with applicable requirements in order to determine the safety and effectiveness for use of materials in any particular application. If intended for medical use, it is the user's responsibility to ensure that the materials to be used comply with all applicable medical regulatory requirements.

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