



Versilon® WCS Hose

STAINLESS STEEL BRAIDED HELICALLY CONVOLUTED INNER TUBE FLUOROPOLYMER HOSE

Saint-Gobain's Versilon® WCS hose is constructed with a PTFE convoluted inner tube and reinforced with high tensile strength 304 stainless steel braid. The convoluted inner tube is low profile and helically formed to promote drainage. This design enables superior flexibility and vacuum resistance.

Versilon® WCS hose reduces risk of flavor contamination, does not absorb color and odor, cleans easily with SIP, CIP and can be autoclaved. It is also non-stick and non-contaminating.

Typical Applications

- Chemical transfer
- Steam (tire press) transfer
- Solvent transfer
- Acid lines
- Adhesive transfer
- CIP lines
- Food and beverage transfer



Features and Benefits

PTFE inner tube:

- Superior flexibility and vacuum resistance
- Convoluted inner tube is low profile and helically formed to promote drainage
- Low risk of flavor contamination
- Does not absorb color or odor
- Non-stick, non-contaminating
- Easy to clean (SIP, CIP, autoclavable)

Regulatory Compliance

- Compliant with FDA 21CFR 177.1550
- US Pharmacopeia Class VI



Versilon® WCS Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Vacuum Hg @ 70°F		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)
2706WCS00	3/8	9.5	5/8	15.9	2,200	15.17	8,800	60.67	1.75	44.5	29.9	760	0.15	0.22
2708WCS00	1/2	12.7	3/4	19.1	1,750	12.07	7,000	48.26	1.75	44.5	29.9	760	0.19	0.28
2710WCS00	5/8	15.9	1	25.4	1,750	12.07	7,000	48.26	2.00	50.8	29.9	760	0.22	0.33
2712WCS00	3/4	19.1	1-1/8	28.6	1,375	9.48	5,500	37.92	2.25	57.2	29.9	760	0.30	0.45
2716WCS00	1	25.4	1-3/8	34.9	1,000	6.89	4,300	29.65	2.75	69.9	29.9	760	0.40	0.60
2720WCS00	1-1/4	31.8	1-5/8	41.3	750	5.17	3,200	22.06	3.50	88.9	29.9	760	0.50	0.74
2724WCS00	1-1/2	38.1	2-1/8	54.0	650	4.48	2,600	17.93	3.75	95.3	29.9	760	0.63	0.94
2732WCS00	2	50.8	2-1/2	63.5	600	4.14	2,400	16.55	6.50	165.1	5.0	127	0.89	1.32

! Important:

Burst pressure ratings at ambient 70°F (21°C). See applicable notes below on vacuum/pressure ratings at temperatures other than ambient.

For styles above 2" ID, refer for info on TWOB/TBOB series hose.

Working Pressure is given at 70°F; decrease working pressure 1% for every 2°F above 250°F.

Vacuum Rating at minimum bend radius (72°F): all sizes up to and including 1-1/2" rated at 29.9" Hg; 2" rated at 5.0 Hg. Decrease vacuum rating 1% for every 2°F above 250°F.

Data given is for straight hose installation.

NOTE: Weights and outside diameter dimensions are nominal. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies.

Construction

Inner Tube:	White PTFE																
Reinforcement:	High tensile strength 304 stainless steel braid																
Temperature Rating:	-65°F to +450°F -54°C to +232°C																
Minimum Overall Length of Hose Assemblies with Anti-Kink Casing:	3/8" and 1/2" sizes - 24" OAL 5/8" and 3/4" sizes - 36" OAL* 1" size - 36" OAL 1-1/2 size - 36" OAL** 2" size - 48" OAL**																
Maximum Length:	<table border="1"> <tr> <td>3/8"</td> <td>100'</td> <td>1"</td> <td>150'</td> </tr> <tr> <td>1/2"</td> <td>125'</td> <td>1-1/4"</td> <td>100'</td> </tr> <tr> <td>5/8"</td> <td>125'</td> <td>1-1/2"</td> <td>100'</td> </tr> <tr> <td>3/4"</td> <td>100'</td> <td>2"</td> <td>75'</td> </tr> </table> <p>Maximum length may vary. Length supplied will be based on full coil length in stock ±25% of the order length.</p>	3/8"	100'	1"	150'	1/2"	125'	1-1/4"	100'	5/8"	125'	1-1/2"	100'	3/4"	100'	2"	75'
3/8"	100'	1"	150'														
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5/8"	125'	1-1/2"	100'														
3/4"	100'	2"	75'														

* Shorter lengths are possible with mini sanitary fittings; consult factory.

** Shorter lengths are possible with same size sanitary clamped ends; consult factory.

Hose Cover Options

- Anti-kink casing
- Firesleeve/insulating cover
- Heat shrink/rubber cover
- Silicone slip-on cover

Fitting Options

Versilon® Crimp Style Fittings

- Over 40 styles of stocked crimp-style fittings in a wide range of materials
- Standard: 316L stainless steel (wetted surfaces)
- Carbon steel: J.I.C. (female), male NPT, crimp collars (1/2" to 2") - Consult factory for fitting dimensions

Common Media

- Sulfuric acid
- High pressure steam
- Hydrofluoric acid
- Silicone/hot glues
- Caustic solutions
- Syrups/flavors

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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