

Versilon® WCSS Hose

STAINLESS STEEL BRAIDED HELICALLY CONVOLUTED INNER TUBE SILICONE COVERED FLUOROPOLYMER HOSE

Saint-Gobain's Versilon® WCSS hose is constructed with a PTFE convoluted inner tube, reinforced with high tensile strength 304 stainless steel braid and covered with Platinum-cured silicone. The convoluted inner tube is low profile and helically formed to promote drainage.

The ultra pure platinum-cured silicone cover is very durable and extremely flexible. Braid fraying is minimized which reduces the risk of hand injuries from wire braid punctures. Versilon® WCSS hose is extremely smooth, may be cleaned in place (CIP) and may be easily sterilized via SIP. WCSS hose may also be autoclaved.

Typical Applications

- Wash down hoses
- Transfer lines
- Equipment lines
- Filling equipment

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)

Silicone cover:

- Durable, extremely flexible, ultra pure Platinum-cured silicone
- Extruded directly over WCS Series hose
- Extremely smooth for easy cleaning
- Cover is locked to stainless steel braid reinforcement so that hose and cover flex as one unit, with no bulges or creases
- Enhanced thermal insulating properties
- Greatly reduced burn potential from accidental contact

Regulatory Compliance

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



Versilon® WCSS Hose

Versilon® WCSS 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)
2706WCSSO	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
2708WCSSO	1/2	12.7	7/8	22.2	1,750	12.07	7,000	48.26	1.75	44.5	29.9	760	0.19	0.28
2712WCSSO	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
2716WCSSO	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

⚠ Important:

Burst pressure ratings at ambient 70°F (21°C).

Vacuum Rating at minimum bend radius (72°F).

Consult factory on sizes 1-1/4" through 2" and for anti-static BCS series with silicone cover.

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								
Cover:	Platinum-cured silicone								
Reinforcement:	High tensile strength 304 stainless steel braid								
Temperature Rating:	-65°F to +450°F -54°C to +232°C								
Maximum Length:	<table border="1"> <tr> <td>3/8"</td> <td>100'</td> <td>3/4"</td> <td>100'</td> </tr> <tr> <td>1/2"</td> <td>125'</td> <td>1"</td> <td>150'</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'	3/4"	100'	1/2"	125'	1"	150'
3/8"	100'	3/4"	100'						
1/2"	125'	1"	150'						

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)
- Single stainless steel crimp collar design locks in hose fitting and seals off silicone cover, which prevents cleaning media from seeping under cover
- This design eliminates the need for a secondary crimp collar or plastic heat shrink tubing
- Also assures hose pressure rating to rated operating pressure

Common Media

- Caustic solutions
- Ultra pure water (DI)
- Clean steam (low pressure)
- Mascara/creams/lotions

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.



Saint-Gobain
210 Harmony Road
Mickleton, NJ 08056
USA

www.ics.saint-gobain.com



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.

Versilon® is a registered trademark of Saint-Gobain Performance Plastics Corporation.