



VERSILON™
Fluid Performance



Versilon™ WCSS Hose

Stainless Steel Braided Helically Convoluted Inner Tube Silicone Covered Fluoropolymer Hose

Saint-Gobain Performance Plastics' 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.

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
- No place for bacteria to accumulate
- Cover is locked to stainless steel braid reinforcement so that hose and cover flex as one unit, with no bulges or creases. Tear resistance is improved.
- Braid fraying minimized, reducing risk of hand injuries from wire braid punctures
- Enhanced thermal insulating properties
- Greatly reduced burn potential from accidental contact

Typical Applications

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

Regulatory Compliance

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



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> Maximum length may vary. Length supplied will be based on full coil length in stock ±25% of the order length.	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

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