



# Versilon™ CSS Hose

## Steel Wire Reinforced PVC Hose

Saint-Gobain Performance Plastics' Versilon CSS hose is a clear hose made of top grade PVC resins and a helically-wound spring steel wire reinforcement. It is constructed with an ultra-smooth bore that is ideal for applications such as liquid handling or dry product transfers. Its super-soft compound provides excellent cold weather flexibility and guards against pinhole leaks, providing a long lasting and worry-free service life.

Versilon CSS hose is pressure rated and fully vacuum rated. In addition, it is fully compliant with FDA 21CFR 170-199 and meets the highest industry requirements including 3-A sanitary standards.



### Features and Benefits

- Flexible
- Alkaline resistant
- Non-toxic and non-pyrogenic
- Light weight

### Typical Applications

- Cosmetics
- Food and beverage
- Dairy
- Instrumentation

### Regulatory Compliance

- Compliant with FDA 21CFR 170-199
- USDA
- 3-A Sanitary Standard 62-02
- Canadian Food Inspection Agency

## CSS Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius		Vacuum Hg		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)
CSS050	1/2	12.7	26/32	20.6	150	1.03	2.00	50.8	29	736.6	0.21	0.31
CSS075	3/4	19.1	1-4/32	28.6	150	1.03	3.00	76.2	29	736.6	0.36	0.54
CSS100	1	25.4	1-12/32	34.9	100	0.69	4.00	101.6	29	736.6	0.44	0.65
CSS150	1-1/2	38.1	1-29/32	48.4	50	0.34	6.00	152.4	29	736.6	0.58	0.86
CSS200	2	50.8	2-16/32	63.5	50	0.34	8.00	203.2	29	736.6	0.84	1.25
CSS250	2-1/2	63.5	3	76.2	50	0.34	10.00	254.0	29	736.6	1.38	2.05
CSS300	3	76.2	3-16/32	88.9	50	0.34	12.00	304.8	29	736.6	1.62	2.41

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. Pressure ratings are shown at ambient temperature (68°F). As temperature increases, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 150°F.

## Construction

Tube:	Clear PVC																
Reinforcement:	Helically-wound spring steel wire																
Color:	Transparent																
Temperature Rating:	+25°F to +150°F -4°C to +66°C																
Maximum Length:	<table border="1"> <tr> <td>1/2"</td> <td>100'</td> <td>2"</td> <td>50'</td> </tr> <tr> <td>3/4"</td> <td>100'</td> <td>2-1/2"</td> <td>50'</td> </tr> <tr> <td>1"</td> <td>100'</td> <td>3"</td> <td>50'</td> </tr> <tr> <td>1-1/2"</td> <td>50'</td> <td></td> <td></td> </tr> </table>	1/2"	100'	2"	50'	3/4"	100'	2-1/2"	50'	1"	100'	3"	50'	1-1/2"	50'		
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1-1/2"	50'																

## Fitting Options

### Versilon ReSeal® Reusable Fittings

- Available in 5 standard end styles (Other end styles available)
- Stems are manufactured from grade 316L stainless steel with an average interior surface finish as low as 15Ra
- Hose sleeves are available in either high impact polymer or stainless steel

### Versilon Crimp Style Fittings

- Over 40 styles of stocked crimp-style fittings in a wide range of materials
- Standard: 316L stainless steel (wetted surfaces)

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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