

Versilon™ WSIB

Smooth Inner Bore Fluoropolymer Hose

Smooth Inner Bore Technology

Saint-Gobain's Versilon WSIB hose is a flexible face-to-face FEP lined hose assembly utilizing smooth inner bore technology, assuring a totally bacteria-free, crevice-free fluoropolymer contact surface. This connection technology features a smooth transition through the hose fitting to the stainless steel tubing, optimizing process transfer, thus reducing concerns of pressure drop, product hold-up, and drainability.

Ideal for Sanitary Applications

Versilon WSIB hose's full flow, no entrapment and fully self-draining characteristics make it a top choice for sanitary applications. WSIB has a reduced pressure drop through the fitting compared to crimp-style fitting systems and can be steam or chemically sterilized in-line with any industrial cleaner, solvent, or sterilizing method.

Typical Applications

- Pharmaceutical processing
- Chemical transfer
- Acid transfer
- Sensitive product transfer
- Load cells
- Storage vessels

Features and Benefits

- Flexible face-to-face fluoropolymer-lined hose assembly
- Inert and chemically resistant to most chemicals and reagents
- S.I.B.® (Smooth Inner Bore) technology ensures crevice-free fluoropolymer contact surface
 - Ensures smooth transition from stainless steel tubing through hose fitting
 - Optimizes process transfer
 - Full flow characteristics
 - No entrapment
 - Fully self-draining
 - Reduced pressure drop through the fitting compared to crimp-style fitting systems
- Cleanable by CIP, SIP
- Resistant to chemicals, ozone and abrasion

Regulatory Compliance

- Inner Tube
The FEP inner tube extracts meet the requirements of USP Plastic Class VI
The FEP inner tube material meets the requirements of FDA 21 CFR 177.1550*
- Hose Assembly
3-A Sanitary Standard 62-02

*Use restrictions and limitations may apply.

WSIB Hose Specifications

Part Number	Nominal Inside Diameter		Actual Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(in)	(mm)
14WSIB	7/8	22.2	7/8	22.2	1.53	38.9	450	3.10	4.75	120.7
22WSIB	1-3/8	34.9	1-3/8	34.9	2.06	52.3	300	2.07	9.00	228.6
30WSIB	1-7/8	47.6	1-7/8	47.6	2.58	65.5	250	1.72	11.50	292.1

Important:

Working Pressure is given at 70°F; decrease working pressure 1% for every 2°F above 212°F.

Flare-Thru fittings are pressure rated only. Not rated for vacuum service.

Extended Service Life Tip: Saint-Gobain suggests using full-length anti-kink armor casing or at least 16" to 24" long anti-kink cuffs at each fitting end to help reduce the strain on the crimp collar and fittings in high load installations. Prolonged service at elevated temperatures will reduce total service life.

W.S.I.B. hose assemblies are not rated for vacuum process conditions.
 Solid PTFE clamp style gaskets must be used with W.S.I.B. assemblies to ensure leak-tight performance.
 W.S.I.B. sold as assembly only.
 Consult factory for additional sizes and cover color options.

Construction

Inner Tube:	FEP Tube ID matches stainless steel sanitary tubing	
Cover:	EPDM rubber	
Reinforcement:	Multiple polyester plycord and EPDM rubber Double helix, high tensile strength carbon steel wire	
Color:	White with a gray layline in white lettering	
Temperature Rating:	-40°F to +350°F -40°C to +177°C	
Maximum Length:	20 feet (all sizes)	
Minimum Recommended Assembly Length:	7/8" 1-3/8" 1-7/8"	12" 15" 18"
Minimum Manufacturing Assembly Length*:	7/8" 1-3/8" 1-7/8"	12" 12" 12"

* While these short lengths can be manufactured, little "free hose" is included in the assembly and almost no flexibility is present.

Fitting Options

Versilon Flare-Thru Fittings

- Clamp style (sanitary only)
- 316L stainless steel sanitary back-up ends, Flare-Thru FEP fluoropolymer liner
- Male and female "I" Line® sanitary fittings also available

Common Media

- Ultra-pure water (DI)
- Caustic solutions

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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