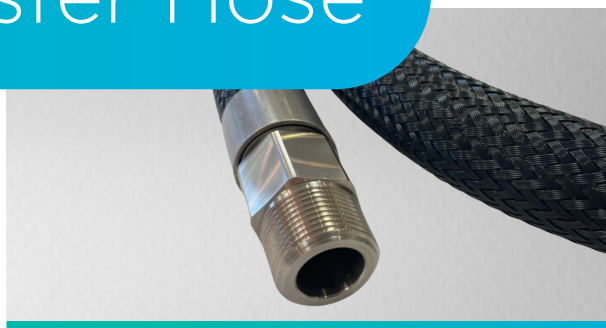
VERSILON®
Engineered Versatility

Versilon® Chlorine Transfer Hose



PVDF BRAIDED HELICALLY CONVOLUTED FLUOROPOLYMER HOSE

Versilon® Chlorine Transfer hose from Saint-Gobain is constructed with a PTFE convoluted inner tube and reinforced with PVDF braid. The convoluted inner tube is low profile and helically formed to increase flexibility and promote self drainage. The PVDF braid resists abrasion better than stainless steel reinforcements and reduces burn potential from accidental contact.

Versilon® Chlorine Transfer hose has excellent chemical resistance for longer service life and is not subject to stress corrosion, pinholing or flex cracking.

Typical Applications

- Tank car loading/unloading
- Pulp and paper bleaching
- Chemical transfer

Features and Benefits

- Excellent chemical resistance
- Not subject to stress corrosion, pinholing or flex cracking
- Convoluted inner tube is low profile and formed to promote self-drainage
- Moisture resistant inner tube
- Does not need to be cleaned and capped after every use
- Minimum pressure drop for faster loading and unloading
- Lightweight and ultra flexible for ease of handling
- Low force to bend
- Wide hex flats for easy wrenching

Regulatory Compliance

- Manufactured in accordance with Chlorine Institute Pamphlet 6 piping specifications

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Versilon® Chlorine Transfer Hose

Versilon® Chlorine Transfer Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in)	(mm)	(lb/ft)	(kg/m)
8CLXXXXMKY	1/2	12.7	1	25.4	500	3.45	2,500	17.24	2.00	50.8	0.16	0.24
16CLXXXXMKY	1	25.4	1-5/8	41.3	375	2.59	1,875	12.93	4.00	101.6	0.41	0.61

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.

Important:

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

Important note regarding part numbers: The X's shown in part numbers indicate fitting styles and are replaced with 03 (NPT) and/or 12 (Flange Lap Joint Style), depending on the type of fitting specified for the assembly. For example, the part number for a 1/2" assembly featuring NPT fittings at both ends would be 8CL0303MKY. The part number for a 1" assembly with an NPT fitting at one end and a flange fitting at the other would be 16CL0312MKY. When both fittings are flange, add a second "M" to the part number; in this case, the part number for a 1-1/2" assembly would be 24CL1212MMKY.

Choose flange material: C3 = 300lbs. carbon steel 300#; 43 = 304 stainless steel 300#;63 = 316 stainless steel 300#.

These hoses are not metrically sized; metric dimensions provided as a convenience only.

Test Pressure = 2x maximum operating pressure.

Construction

Inner Tube:	One piece extruded PTFE fluoropolymer - No seams or voids
Cover:	Thick strand chafe resistant PVDF - Protects against abrasion
Reinforcement:	Two high tensile strength PVDF braids for high pressure rating
Temperature Rating:	-40°F to +122°F -40°C to +50°C
Maximum Length:	1/2" 25' 1" 25' 1-1/2" 25'
Quality Control and Testing:	• Each hose is material lot traceable • Each hose is subject to stringent QC procedures throughout the manufacturing process • Each hose is permanently identified in accordance with Chlorine Institute specifications • Each hose is thoroughly cleaned before assembly; no oils, solvents or other contaminants are used in the assembly process • Each hose is pressure tested with nitrogen gas at twice the rated operating pressure while fully submerged under water • Each hose is dried and capped for shipment • A unique serial number is applied to each end of the hose for further traceability; permanent log of all hose assemblies maintained at factory

Fitting Options

Versilon® Crimp Style Fittings

- Standard: Schedule 80 Monel® stub end 300# epoxy coated carbon steel lap-joint flange
- Schedule 80 Monel® hex male NPT (1" wide wrenching flats)
- Schedule 80 Monel® R405 male NPT or Schedule 80 stub end available
- Internal Monel® crimp ferrule locks fitting to inner tube and two reinforcement braids
- Special Hastelloy® fittings for wet chlorine applications and other aggressive applications

Common Media

- Chlorine
- Bromine
- Sodium hydroxide
- Sulfuric and hydrochloric acids
- Other corrosive materials

Stainless steel crimp ring secures PVDF abrasion cover. A permanent stainless steel ID band provides the following information:

- "Saint-Gobain"
- "Chlorine Per C.I. PAM. 6"
- Date of manufacture
- Maximum allowable working pressure
- Usable temperature range
- Minimum bend radius
- Test pressure
- Serial number

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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Saint-Gobain
210 Harmony Road
Mickleton, NJ 08056
USA

www.ics.saint-gobain.com

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