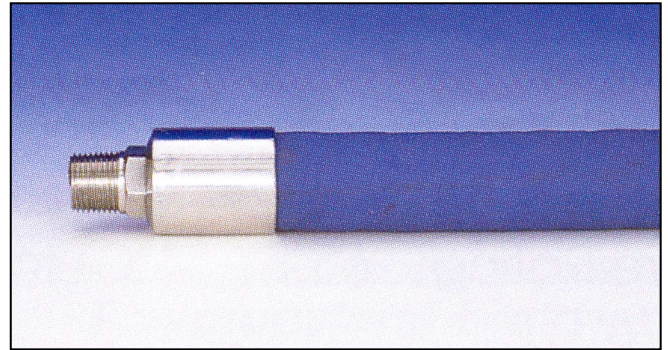


STYLE TVCLT CONVOLUTED CHLORINE/BROMINE HOSE

A flexible and lightweight PTFE hose for critical Chlorine/Bromine service

Unisource Style TVCLT convoluted PTFE hose is the ultimate in the highly critical transfer of Chlorine/Bromine. The special construction of this hose provides assemblies that are more flexible and resilient than metal hose. The convoluted PTFE tube is virtually stress-free in continuous flexing installations.

Style TVCLT is constructed using a convoluted, .045" nominal thickness heavy-wall PTFE innercore, with an integral fiberglass covering. The innercore is then reinforced with two (2) layers of KYNAR braided directly onto the innercore. Our 1" assemblies are intended for rail car loading and unloading service. These 1" assemblies are covered with a blue 3/16" thick CPE "pin-pricked" jacket with a molded label every three feet, stating manufacturer and design specifications in accordance with industry standards. The "pin-pricked" cover is actually "vent-drilled" (1/8" dia.) every 18". The 1/2" assemblies are intended for use a pigtail/whips in filling plants, and do not utilize a CPE jacket, but are double braided with blue KYNAR.



Style TVCLT Chlorine/Bromine hose.

All fittings and crimp collars are precision machined from Monel (type R-405). The 1/2" male pipe fitting is lined with a precision molded and machined PFA. The cover collar for the 1" hose is constructed of 304 stainless steel and holds the CPE cover in place with a lock to the fitting behind the wrenching area.

The materials utilized in the manufacture of **Style TVCLT** assemblies are inert to Chlorine and/or give excellent resistance to corrosion attack by Chlorine.

Style TVCLT Chlorine/Bromine assemblies will be assembled, pressure tested (100%) and inspected at the factory. All Chlorine/Bromine hose assemblies will be serialized for complete traceability to the hose for assembly inspection records and the PTFE manufacturing lot. This hose has a temperature range of -40°F. to 120°F.

Meets or exceeds the *Chlorine Institute guidelines*, Drawing No. 135, Issue 2 sections listed below:
A-2.1 Design Pressure, A-2.3 Braiding (Modified for Crimping vs. Welding), A-2.4 End Fitting (Modified for Crimping vs. Welding), A-2.5 Wrench Pads, A-2.7 Alloys (Except Hose & Braid), A-3.1 Prototype Test, A-3.2 Production Pressure Test, A-3.3 Gas Pressure Test, A-3.4 Marking, A-5.1 Cleaning, A-5.2 End Seals. Please review industry standards for the safe handling and installation procedures.

Technical Specifications-Style TVCLT

Size	Operating Pressure (Max.)	Burst Pressure (Min.)	Bend Radius (Min.)	Operating Temperature
1/2" Assy	500 PSIG	2000 PSIG	1.5"	-40°F to +120°F
1" Assy	375 PSIG	1875 PSIG	6.0"	-40°F to +120°F



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