

CTH – Chlorine/Bromine Transfer Hose Assembly

- Inner core: “Seamless” conductive convoluted *Teflon*® PTFE
- Reinforcement: Hastelloy® C276 braid
- External protection: HDPE plastic spiral guard

Construction

Extra-thick conductive “seamless” helical convoluted *Teflon*® PTFE liner braided with Hastelloy® C276 heavy gauge wire braid. (CTH Chlorine Transfer assemblies utilize the “seamless” conductive inner core and HDPE spiral guard as a protective cover per the Chlorine Institute pamphlet 6 instructions.)

Benefits

CTH – Chlorine Transfer hoses are vacuum formed in an open pitched, helical design for easy cleaning. The CTH assembly is rated for full vacuum and designed to handle the rigorous everyday handling of chlorine transfer stations. This convoluted hose is crush resistant and easy to flex, providing far tighter bend radii than smooth bore alternatives. The CTH assemblies are designed for use in Chlorine/Bromine transfer from rail cars, trucks, and 1-ton cylinders.

Applications

The CTH assemblies are designed for use in Chlorine/Bromine transfer from rail cars, trucks, and 1-ton cylinders (CGA 820 fitting). These assemblies meet or exceed the Chlorine Institute’s pamphlet 6 recommendations for transfer of chlorine or bromine. (See *Permeation*, page 34.)

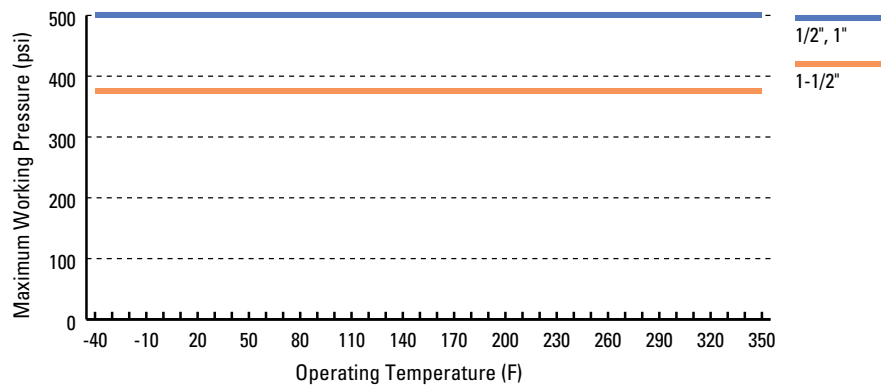
Fittings



Monel® fittings standard

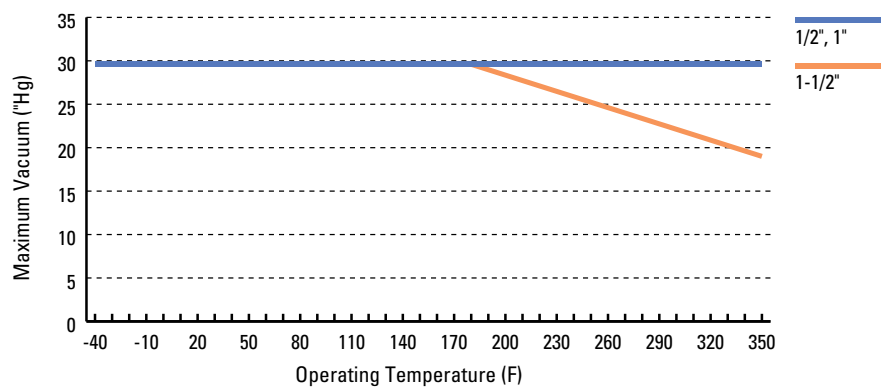


CTH Hose Pressure Ratings



NOTE: In an assembly, the pressure ratings of fittings may be less than hose pressure ratings.

CTH Hose Vacuum Ratings



Nominal Size		Hose ID		Hose OD		Bend Radius		Working Pressure @ 70° F		Burst Pressure @ 70° F		Assembly Part Number
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSI	BAR	PSI	BAR	
1/2"	15	0.470	11.9	0.748	19.0	2	50.8	500	34.5	2500	172.4	See pages 42–43
1"	25	0.970	24.6	1.354	34.4	4	101.6	500	34.5	2500	172.4	See pages 42–43
1-1/2"	40	1.540	39.1	2.034	51.7	6	152.4	375	25.9	1875	129.3	See pages 42–43