

TMH Dual Containment System

- Primary containment (inner core): Smooth PTFE *Teflon*®
- Secondary containment: 316 stainless steel, convoluted metal hose
- Reinforcement: 316 stainless steel braid

Construction Extra-thick natural or conductive smooth bore *Teflon*® PTFE liner locked inside (exclusive Thermalok™ system) a 316 stainless steel carcass with welded flange retainers and over-braided with 316 stainless steel. The liner is “Flared Through” the stub ends providing no exposed metal fittings to the media. Auxiliary flanges can be added for flared end protection and replaced when ends are damaged, thus eliminating the need to replace the complete assembly. Various venting systems allow permeation or media a path between the liner and metal carcass avoiding liner collapse due to trapped media (see options below).

Benefits Dual Containment aspect — welded 316 SS carcass acts as a barrier between the inner liner of *Teflon*® and the atmosphere. This reduces the opportunity for catastrophic failure and environmental releases. The vent acts as a warning system, allowing the hose to be removed prior to failure. For zero permeation applications, a coupling can be installed over the vent hole and tubing installed to return the permeated product to the system.

Applications The TMH assembly with Thermalok™ PTFE liner is designed for applications requiring a true smooth inner bore for improved flow and is easily cleaned in place. Designed to withstand the everyday abuse and handling to load/unload trucks, rail cars, barges and process vessels.

Fittings Auxiliary flanges available.



FLARED

Optional Vent Systems

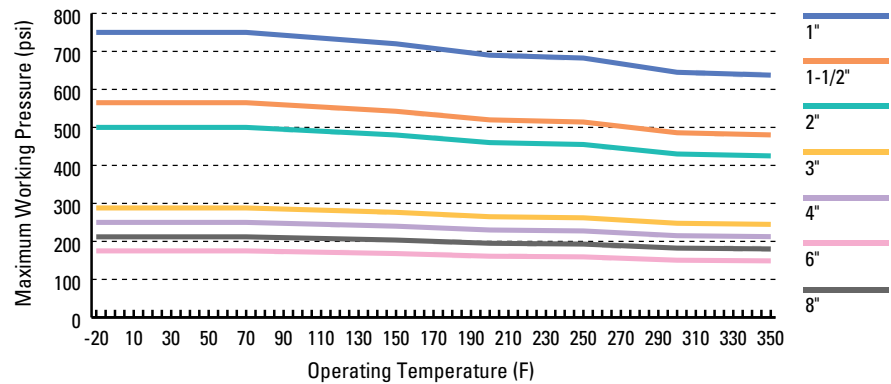
- Vent hole
- Vent coupling 1/8" female pipe
- Hastelloy® leak detection system (factory)

External Protective Accessories

Contact factory for details.

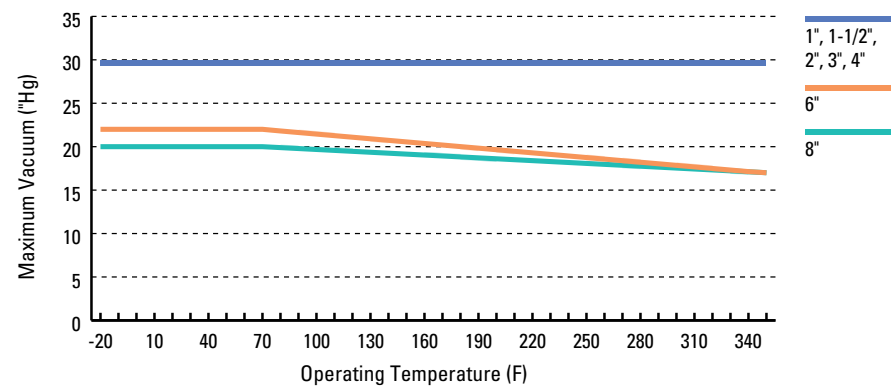


TMH-SS Hose Pressure Ratings



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

TMH 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	25	0.875	22.2	1.590	40.4	12	304.8	750	51.7	3000	206.8	See pages 42–43
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	565	39.0	2260	155.8	See pages 42–43
2	50	1.875	47.6	2.910	73.9	21	533.4	500	34.5	2000	137.9	See pages 42–43
3	75	2.797	71.0	3.690	93.7	28	711.2	288	19.9	1152	79.4	See pages 42–43
4	100	3.766	95.7	4.840	122.9	46	1168.4	250	17.2	1000	68.9	See pages 42–43
6	150	5.688	144.5	7.160	181.9	65	1651.0	175	12.1	700	48.3	See pages 42–43
8	200	7.718	196.0	9.310	236.5	89	2260.6	212	14.6	848	58.5	See pages 42–43