

TMH SS or Monel® Teflon® Smooth Bore Chemical Transfer Hose

Inner Core: Smooth Teflon® PTFE

Reinforcement: 316 SS metal hose w/ 304 wire braid or Monel®400 metal hose w/ Monel® wire braid

Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive Flared Thru Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

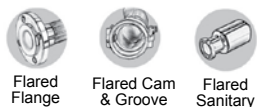
Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatibility
- Flared Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
 - Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 8"

Applications

Designed for severe service applications where media containment and leak prevention is imperative. TMH-Monel® is designed for services where both internal and external corrosion are a concern, and where applications place stainless steel at risk for stress cracking.

Fittings: Flared Thru



Flared Flange

Flared Cam & Groove

Flared Sanitary

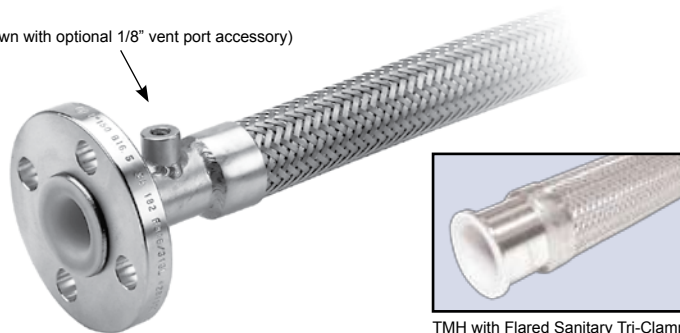
*end fitting not available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

Contact factory for details.

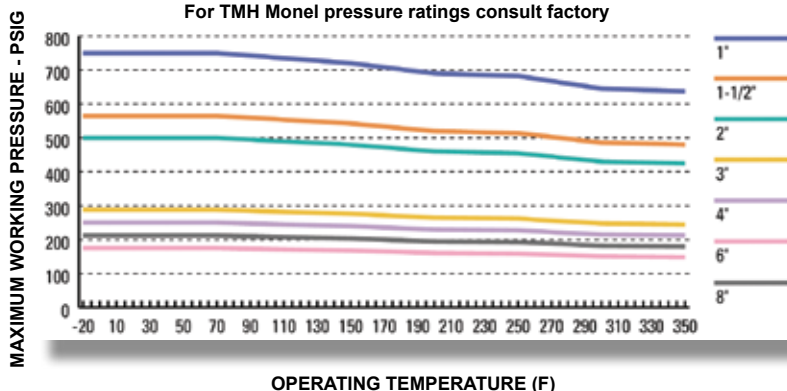
(shown with optional 1/8" vent port accessory)



TMH with Flared Sanitary Tri-Clamp

TMH STAINLESS STEEL HOSE PRESSURE RATINGS

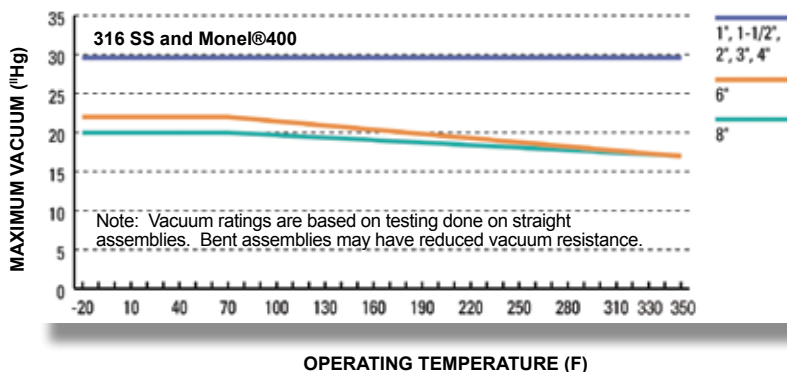
For TMH Monel pressure ratings consult factory



OPERATING TEMPERATURE (F)

NOTE: Hose assembly pressure ratings may be limited by the fittings.

TMH HOSE VACUUM RATINGS



OPERATING TEMPERATURE (F)

Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure 316 SS at 70°F (21°C)		Max. Working Pressure Monel®400 at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	750	51.7	692	47.7	3.53	1.03	20"
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	565	39.0	419	28.9	5.79	1.96	20"
2	50	1.875	47.6	2.910	73.9	21	533.4	500	34.5	313	21.6	9.49	2.67	20"
3	80	2.797	71.0	3.690	93.7	28	711.2	288	19.9	300	20.7	14.44	2.64	15"
4	100	3.766	95.7	4.840	122.9	46	1168.4	250	17.2	263	18.1	21.57	3.17	14"
6	150	5.688	144.5	7.160	181.9	65	1651.0	175	12.1	700	48.3	39.94	6.74	10"
8	200	7.718	196.0	9.310	236.5	89	2260.6	212	14.6	848	58.5	62.5	9.5	10"