

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

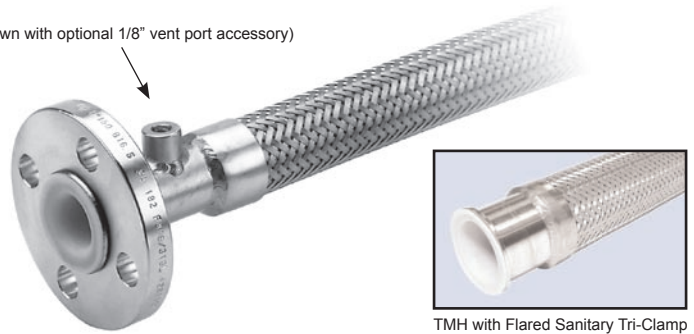
*end fitting not available for all hose diameters – consult factory

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.

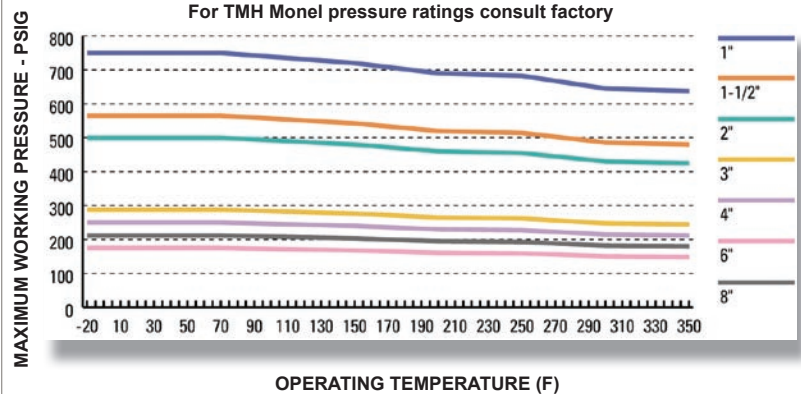
(shown with optional 1/8" vent port accessory)



TMH with Flared Sanitary Tri-Clamp

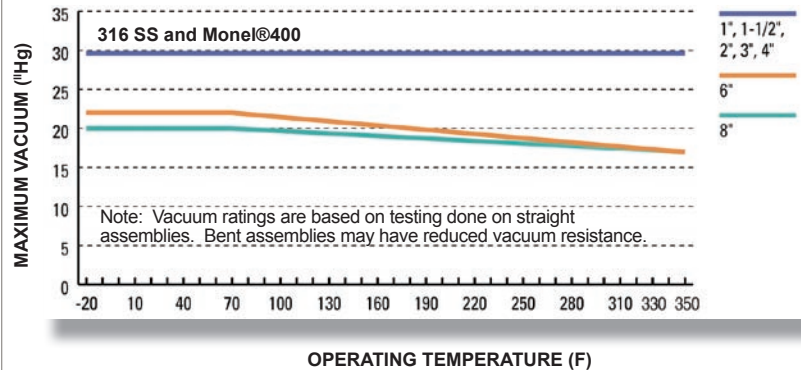
TMH STAINLESS STEEL HOSE PRESSURE RATINGS

For TMH Monel pressure ratings consult factory



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

TMH HOSE VACUUM RATINGS



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" |