

MTH Hose

Stainless Steel Flexible Hose lined with Smooth Bore PTFE Liner

Stainless Steel flexible metal hose lined with smooth bore PTFE liner and flared thru end fittings. Designed for applications requiring unexcelled corrosion resistance and sanitary properties of PTFE and the durability of a flexible metal hose. This smooth bore hose is specified and used in an endless variety of applications where the conditions of service are beyond the capabilities of rubber, synthetic or metal hose alone. The PTFE smooth bore I.D. minimizes pressure drop. MTH hoses are available with virgin PTFE liner.

MTH Advantages:

Corrosion Resistant- PTFE is fully resistant to the broadest range of industrial chemicals and has a zero corrosion rate, lower life cycle costs, and is non-contaminating.

Cleanable - Non-stick, low porosity tube does not trap bacteria, and can be readily cleaned with steam, detergents, caustics, or solvents.

Sanitary – FDA approved materials meet or exceed **3A** requirements.

Compatible - Will not contaminate or impart a taste, color or odor to any media.

Durable - Designed for extended use in hostile environments involving severe chemical, thermal and mechanical stresses. Does not suffer aging or embrittlement, even with extreme thermal cycling.

Double containment - Metal housing is a secondary containment vessel.

PTFE "Flare-Thru" Fittings:

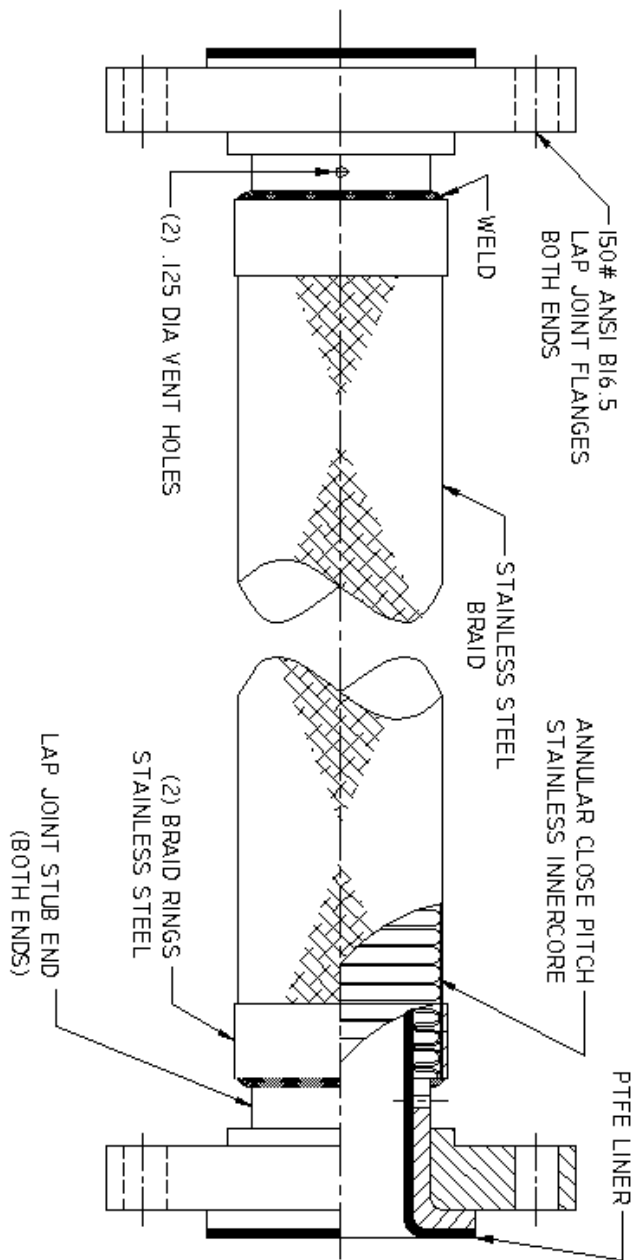
The thick PTFE tube passes through the end fitting and is flared radially outward against the sealing face of the fitting. This economical design creates a continuous PTFE fluid conduit. Standard fitting style available is ANSI B16.5 CL150 Flanged. Flange materials are available in epoxy coated carbon steel, 304SS, and 316SS.

Specifications:

Temperature Range: -65°F(-54°C) to +450°F(232°C)

I.D. NOMINAL	O.D. (in.)	WORKING PRESSURE 70°F (psi)	WORKING PRESSURE 450°F (psi)	VACUUM (in.-Hg)	MINIMUM BEND RADIUS	WEIGHT PER FT. (lbs/ft.)
1	1 5/8	285	285	29.9	9	.75
1 ½	2 1/4	285	285	29.9	12	1.2
2	2 3/4	285	285	29.9	17	1.5
3	3 7/8	285	285	29.9	28	2.0
4	5	230	230	29.9	40	2.7
6	7 1/8	165	165	29.9	60	4.8
8	9 1/4	225	225	29.9	82	9.5
10	11 3/8	225	225	24.0	120	13.0

Above working pressures are listed for assemblies constructed with ANSI/ASME B16.5 CL150 flanges, consult factory for ratings with CL300 flanges. Minimum allowable temperature applicable only to stainless steel flanged assemblies, carbon steel flanged assemblies are limited to -20°F.



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