

# MTH Hose

## ***Stainless Steel flexible hose lined with Smooth Bore PTFE Liner***

304SS flexible metal hose lined with smooth PTFE liner and flared thru standard end fittings. Designed for applications requiring a large diameter smooth bore flexible hose combining the unexcelled corrosion resistance and sanitary properties of PTFE and the durability of 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.'s minimize pressure drop. MTH is available with virgin PTFE liner.

### ***MTH Advantage:***

**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 “Flared-Thru” Fittings:***

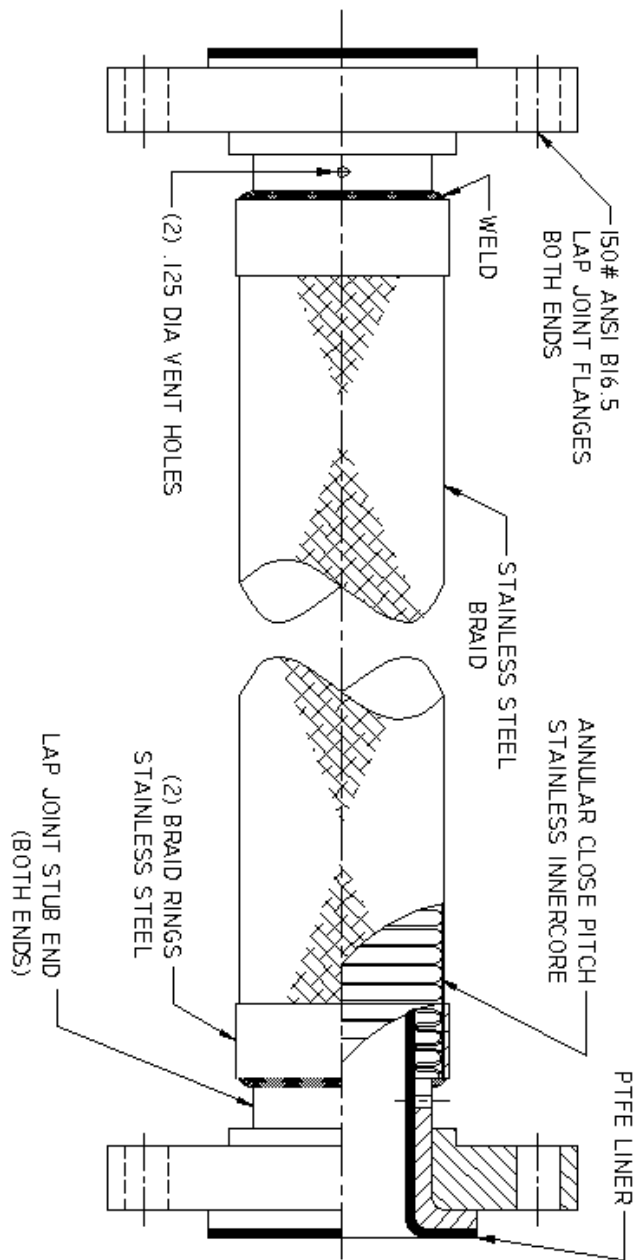
The thick PTFE tube passes through the end fitting and is flared radially outward against the sealing face of the fitting. This economical design creates a continuous PTFE fluid conduit. Standard fitting style available is ANSI B16.5 CL150 Flanged. Flange materials available in Epoxy coated Carbon Steel, 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 REDIUS	WEIGHT PER FT. (lbs/ft.)
1	1 1/2	285	285	29.9	12	1.2
1 ½	2 1/4	285	285	29.9	15	2.1
2	2 5/8	285	285	29.9	21	2.8
3	3 11/16	285	285	29.9	28	3.0
4	4 7/8	230	230	29.9	46	4.0
6	7 1/8	150	150	29.9	65	8.9
8	9 1/4	150	150	29.9	89	16.0
10	11 3/8	100	100	24.0	120	20

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.



**PureFlex® Inc. information is based on technical data and testing that PureFlex® Inc. believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. Since conditions of product are outside PureFlex® Inc. control, PureFlex® Inc. makes no warranties, express or implied, and assumes no liability in connection with any use of this information.**