

# MTH Hose

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

321 SS flexible metal hose lined with smooth PTFE liner and flared thru Flanges only. 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.

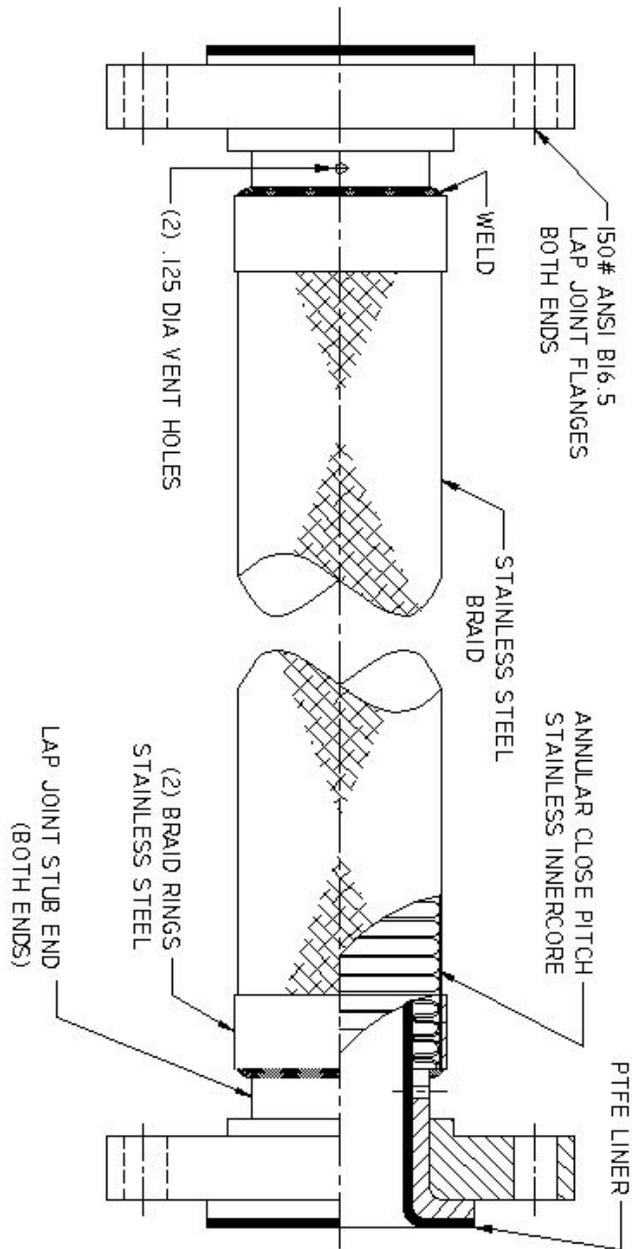
Standard fitting style available is ANSI B16.5 CL150 Flanged. Flange materials available in Epoxy coated Carbon Steel, Durcor composite, 304SS and 316SS.

## **Specifications:**

Temperature Range: -65°F(-54°C) to +350°F(177°C)

I.D. NOMINAL (in.)	O.D. (in.)	WORKING PRESSURE (psi)				VACUUM (in.-Hg) 70°F	STATIC BEND RADIUS (in.)	WEIGHT PER FT. (lbs/ft.)
		CL 150 Flanges		CL300 Flanges				
		70°F	350°F	70°F	350°F			
1	1.53	285	210	485	450	29.9	9	0.9
1 ½	2.16	285	210	485	450	29.9	12	1.5
2	2.69	285	210	450	450	29.9	17	2
3	3.98	285	210	350	350	29.9	22	3.5
4	5.06	285	210	300	300	29.9	36	4.8
6	7.13	210	210	210	210	29.9	50	9.1
8	9.32	250	210	250	250	29.9	82	15.3
10	11.56	175	175	175	175	N/A	120	20.3

**Bulk hose pressure ratings may be greater than above, working pressures are listed for assemblies constructed with CL150 or CL300 ANSI/ASME B16.5 / ASTM A105 flanges, for ratings with alternate materials consult factory. 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.**