

**MTLC Hose**

MTLC hose is engineered with a smooth PTFE innercore which is inserted and locked in place in reinforced corrugated metal hose that is also manufactured by United Flexible. The PTFE liner is flared over each end so that the entire wetted flow path is in contact with PTFE Fluoropolymer. This is a heavy duty containment hose. Vent holes in the metal assembly prevents gas build up between the PTFE liner and metal hose. We can produce assemblies to your specific length and diameter needs to connect to your system. You can be assured our Engineering experts will be easy to talk to and focused on solving your problem.



- Applications:** Chemical processing industry to aid in eliminating vibration and slight misalignment in lined pipe systems.
- Innercore:** MTLC starts with a chemically inert smooth PTFE liner that is FDA compliant. The PTFE liner is made to last with a heavy wall construction.
- Reinforcement:** Heavy wall 321 stainless steel corrugated metal hose outer assembly with one layer of 300 series stainless steel braid reinforcement.
- Temperature Range:** -65°F (-54°C) to +500°F (+260°C)
- Chemical Resistance:** Refer to page 30.
- Fittings:** PTFE flare over stainless steel flange retainer with your choice of backing flange. Backing flanges can be provided to meet various standards. Typical flange alloys are carbon steel, 304 and 316 stainless steel.

IMPERIAL								
Dash Size	Inch Reference # Natural	Inch Reference # Conductive	Actual ID (in)	Actual OD (in)	Max Working Pressure PSI	Min Burst Pressure PSI	Vacuum Rating (Hg)	Weight (lb/ft)
-16	MT11N	MT11C	1.00	1.6	500	2000	26	2.0
-24	MT11.5N	MT11.5C	1.50	2.3	400	1600	26	3.9
-32	MT12N	MT12C	2.00	2.9	300	1200	24	5.0
-48	MT13N	MT13C	3.00	3.9	200	800	24	5.3
-64	MT14N	MT14C	4.00	5.0	150	600	20	5.6
-96	MT16N	MT16C	6.00	7.0	150	600	20	13.0
-128	MT18N	MT18C	8.00	9.1	125	500	20	20.0
-160	MT110N	MT110C	10.00	11.2	100	400	20	26.0
-192	MT112N	MT112C	12.00	13.2	90	360	20	34.5

METRIC							
Metric Reference # Natural	Metric Reference # Conductive	Actual ID (mm)	Actual OD (mm)	Max Working Pressure Bar	Min Burst Pressure Bar	Vacuum Rating (Hg)	Weight (kg/m)
MTM25N	MTM25C	25	42	34	138	26	3.0
MTM38N	MTM38C	38	59	28	110	26	5.7
MTM51N	MTM51C	51	73	21	83	24	7.4
MTM76N	MTM76C	76	100	14	55	24	7.8
MTM102N	MTM102C	102	126	10	41	20	8.3
MTM152N	MTM152C	152	178	10	41	20	19.3
MTM203N	MTM203C	203	231	9	34	20	29.8
MTM254N	MTM254C	254	284	7	28	20	38.7
MTM305N	MTM305C	305	336	6	25	20	51.3

All pressure and vacuum ratings are calculated at 70°F (21°C). Note MTLC assemblies have limited flexibility and are not intended to be used in dynamic constant flexing service.