

HOSE CONSTRUCTION

Extruded inner core made of natural PTFE.

Outside reinforcement in double AISI 304L

OPTIONS

Inner core with customized sizes made of FEP or PFA.

Outside reinforcement: AISI 316 wire braid with high tensile strength or textile braids (e.g. aramid, polyester...), Thermoplastics (e.g. Polyurethane, Hytrel...), Silicone and rubber.



INTERNAL DIAMETER			PTFE WALL THICKNESS		OUTER DIAMETER		WEIGHT PER UNIT LENGTH		MINIMUM BEND RADIUS		MAXIMUM WP		MINIMUM BP		VACUUM
Nominal	mm	inch	mm	inch	mm	inch	gr/mt	lbs/ft	mm	inch	bar	psi	bar	psi	in/HG
3/16	4.80	0.189	0.9	0.035	8.80	0.346	135	0.091	45	1.772	275	3989	1100	15954	28
1/4	6.35	0.250	0.9	0.035	10.40	0.409	170	0.114	50	1.969	250	3626	1000	14504	28
5/16	7.90	0.311	0.9	0.035	12.00	0.472	240	0.161	55	2.165	225	3263	900	13053	28
3/8	9.50	0.374	0.9	0.035	13.70	0.539	260	0.175	70	2.756	210	3046	840	12183	28
13/32	10.30	0.406	0.9	0.035	14.60	0.575	270	0.181	80	3.150	200	2901	800	11603	28
1/2	12.70	0.500	0.9	0.035	17.00	0.669	350	0.235	110	4.331	175	2538	700	10153	28
5/8	15.90	0.626	1.0	0.039	20.50	0.807	500	0.336	150	5.906	160	2321	640	9282	28
3/4	19.00	0.748	1.0	0.039	23.50	0.925	620	0.417	190	7.480	140	2031	560	8122	28
7/8	22.20	0.874	1.1	0.043	27.00	1.063	675	0.454	250	9.843	125	1813	500	7252	12
1	25.40	1.000	1.1	0.043	30.80	1.213	770	0.518	270	10.630	95	1378	380	5511	12



All our hoses are developed first for static application. **Maximum WP (Working Pressures)** calculated using a Safety Factor of 4. To guarantee quality and reliability of our products, all PTFE inner cores are tested under pressure.

TEMPERATURE SERVICE

- 60°C + 260°C (PTFE)

APPLICATIONS

Chemical, petrochemical, paints, inks, glues and adhesives, foodstuffs, brake oils, fuels, hydraulic oils, steam, gases, detergents, refrigerants and any application focused on the transfer of fluids and gases under critical usage conditions and in severe environments.

WORKING TEMPERATURE	PRESSURE DE-RATING %
Up to 130 °C	100 %
150°C	85%
180°C	65%
200°C	50%
220°C	30%
260°C	10%



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