



HOSE CONSTRUCTION

Extruded inner core made of natural PTFE.

Outside reinforcement in AISI 304L

OPTIONS

Inner core with customized sizes or 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
1/4	6.35	0.250	1.1	0.043	9.90	0.390	130	0.087	90	3.543	205	2973	820	11893	28
5/16	7.90	0.311	1.2	0.047	11.90	0.469	170	0.114	110	0.074	180	2611	720	10443	28
3/8	9.50	0.374	1.2	0.047	13.50	0.531	210	0.141	130	5.118	155	2248	620	8992	28
1/2	12.70	0.500	1.2	0.047	16.70	0.657	295	0.198	160	6.299	130	1885	520	7542	28
5/8	15.90	0.626	1.3	0.051	20.10	0.791	365	0.245	190	7.480	125	1813	500	7252	28
3/4	19.00	0.748	1.3	0.051	23.30	0.917	425	0.286	230	9.055	95	1378	380	5511	28
1	25.40	1.000	1.4	0.051	30.10	1.185	650	0.437	310	12.205	75	1088	300	4351	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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