

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
1/8	3.20	0.126	0.9	0.035	6.30	0.248	65	0.044	25	0.984	275	3989	1100	15954	28
3/16	4.80	0.189	0.9	0.035	7.80	0.307	90	0.060	35	1.378	205	2973	820	11893	28
1/4	6.35	0.250	0.9	0.035	9.40	0.370	110	0.074	45	1.772	180	2611	720	10443	28
5/16	7.90	0.311	0.9	0.035	11.20	0.441	145	0.097	50	1.969	155	2248	620	8992	28
3/8	9.50	0.374	0.9	0.035	12.80	0.504	170	0.114	60	2.362	140	2031	560	8122	28
13/32	10.30	0.406	0.9	0.035	13.60	0.535	185	0.124	70	2.756	135	1958	540	7832	28
1/2	12.70	0.500	0.9	0.035	16.00	0.630	240	0.161	90	3.543	125	1813	500	7252	28
5/8	15.90	0.626	1.0	0.039	19.80	0.779	310	0.208	120	4.724	105	1523	420	6092	28
3/4	19.00	0.748	1.0	0.039	22.50	0.886	380	0.255	190	7.480	95	1378	380	5511	28
7/8	22.20	0.874	1.1	0.043	26.00	1.024	425	0.286	250	9.843	75	1088	300	4351	12
1	25.40	1.000	1.1	0.043	29.40	1.157	500	0.336	270	10.630	67	972	268	3887	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%



Values and coefficients contained in this sheet are for information only and shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment. No liability whatsoever can be accepted by ITG SPA with respect to difference to the values reported in the tables or misuse by the Customer of the product.