

HOSE CONSTRUCTION:

Helically convoluted inner core made of natural PTFE certified in compliance with RoHS Directive and U.S. Federal Food and Drug Administration's (FDA) Regulation 21 CFR 177.1550. Premium choice materials and advanced technology guarantee high flexibility and minimum porosity. Convoluted inner cores are open pitched and self draining. Outside reinforcement: AISI 304L wire braid with high tensile strength.



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	6.90	0.272	0.9	0.035	11.50	0.452	137	0.302	18	0.709	135	1958	540	7830	28
5/16	8.00	0.315	0.9	0.035	13.00	0.512	178	0.392	19	0.748	130	1885	520	7540	28
3/8	10.50	0.413	0.9	0.035	15.50	0.610	222	0.489	20	0.787	125	1813	500	7250	28
1/2	13.75	0.541	0.9	0.035	18.50	0.728	282	0.622	25	0.984	110	1595	440	6380	28
5/8	16.50	0.650	1.0	0.039	22.50	0.886	346	0.763	50	1.969	80	1160	320	4640	28
3/4	20.00	0.787	1.0	0.039	26.70	1.051	427	0.941	65	2.559	70	1015	280	4060	28
7/8	22.50	0.886	1.1	0.043	28.70	1.130	490	1.080	75	2.953	60	870	240	3480	28
1	25.90	1.020	1.1	0.043	33.70	1.327	555	1.233	90	3.543	50	725	200	2900	28
1 1/4	32.00	1.260	1.1	0.043	40.50	1.594	729	1.607	125	4.921	48	697	190	2757	28
1 1/2	38.10	1.500	1.1	0.043	48.30	1.902	880	1.940	145	5.708	43	624	172	2496	28
2	51.00	2.008	1.2	0.047	61.50	2.421	1196	2.637	180	7.087	34	493	136	1974	28

Maximum 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.

OPTIONS:

Customized inner core construction (sizes, thickness and convolutions pitch). Inner core made of black antistatic PTFE when electrically resistive fluids are transferred at high flow rates. Outside reinforcements: AISI 316 – textile braids (e.g. aramid, polypropylene, polyester). Additional reinforcements for superior performances. Special jacket made of thermoplastics (e.g. Polyurethane, PA11, PA12, Hytrel, PVC), Silicone or wrapped rubbers.

APPLICATIONS:

Used globally in low to medium pressure applications which require more flexibility or tighter bend radius. 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.

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