

ProFlex PFA

Seamless Convolute PFA Hose

This versatile hose was developed as an extremely flexible chemical transfer hose. The open pitch spiral convolutions aid in the draining, flushing and cleaning of the hose. This hose is available with either a high tensile strength / high temperature stainless steel braid or a corrosion resistant / user-friendly polypropylene braid. Applications include the transfer of corrosive chemicals, flexible steam lines, acid handling, the circulation of hot oil, the handling of solvents, high temperature air and conveying of monomers in the manufacturing of plastics. PFA has the same chemical compatibility as PTFE and has much better flex life than that of FEP. Consult the factory for your copy of the "PureFlex Chemical Resistance Handbook" covering over 600 most commonly used industrial chemicals.

ProFlex PFA is suitable for use in all industrial applications where PTFE lined hoses are used. Meets or exceeds all of the performance aspects of competing like products, is the easiest to assemble and fastest to fabricate of all convoluted hoses.

ProFlex PFA Advantage:

Corrosion resistant – ProFlex hose is fully resistant to the broadest range of industrial chemicals and has a zero corrosion rate.

Long continuous lengths – up to 1000 foot and nothing will be shipped that is under 50 foot means less scrap and even higher profits; can be shipped coiled on reels.

Ease of fabrication – fittings do not need PTFE tape wrapped on the barbs and the insert does not require any tooling to be installed; it can be pushed in by hand further reducing fabrication cost.

Seamless tube construction – will not delaminate while in service and suitable for thermal shocking applications; thus increasing service life in certain applications.

Flexibility – the tightest bend radius per size and the least amount of force needed to deflect or move the hose aids in the installation and while in service.

Fittings:

Over 40 standard fitting styles available, including; Flanged, JIC, NPT, Cam Lock, PFA Encapsulated, Solid Kynar and Polypropylene fittings. Standard material is 316 Stainless Steel or Yellow Zinc Dichromate Plated Steel. Epoxy Powder Coated Carbon Steel is also available.

Specifications:

Temperature Range: Stainless Steel Braid -65°F to +450°F – Polypropylene Braid -20°F to +250°F

I.D. NOMINAL	O.D. SS Braid NOMINAL	O.D. PolyPro Braid NOMINAL	WORKING PRESSURE (PSI)		VACUUM RATING (In. Hg)	MINIMUM BEND RADIUS (in)	WEIGHT PER FOOT (lbs)
			SS BRAID	POLYPRO BRAID			
1/2	0.74	0.90	1500	575	Full	1.50	0.20
5/8	0.92	1.17	1200	550	Full	1.75	0.25
3/4	1.06	1.26	1100	500	Full	2.00	0.28
1	1.32	1.50	1000	400	Full	2.50	0.35
1 1/4	1.65	1.88	825	325	Full	3.50	0.49
1 1/2	1.92	2.16	750	300	Full	3.75	0.60
2	2.42	2.65	625	250	Full	6.50	0.85
3	3.42	3.65	150	150	24.0	9.50	1.79
4	4.47	4.70	125	125	24.0	11.25	2.25
6	6.55	6.78	125	125	CF	CF	CF

Operating pressure ratings are one fourth the minimum burst pressure at 70° F (21° C) – Vacuum Ratings are at 70° F (21° C)

