

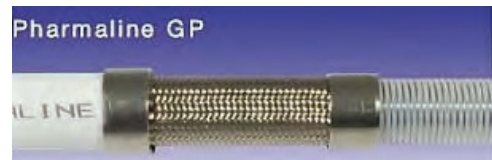
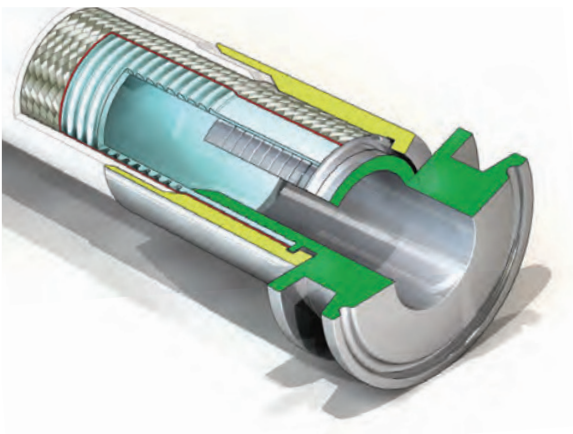
PHARMALINE™ PTFE HOSE

Pharmaline hose was designed and developed to provide customers with an improved high purity hose product which combined all the requirements they had requested for pharmaceutical and biotech applications, particularly the need for improved flexibility.

CONSTRUCTION

Pharmaline is built around a patented PTFE hose liner design, which is smooth bore inside but convoluted outside to generate excellent flexibility combined with 'hoop strength'. A stainless wire and stainless steel wire braid reinforcement adds to the kink resistance, crush resistance and the resistance of the hose to both pressure and vacuum. This reinforced PTFE construction is therefore strong enough to withstand full vacuum and kinking without the need for either internal convolutions or the need to bond the liner to an outer cover. Finally, an outer cover of platinum cured silicone rubber is extruded on to the braid, with a super-smooth surface finish to aid external cleaning.

The primary application area for Pharmaline is in high purity pharmaceutical, biotech, chemical and foodstuffs plants where ease of cleaning the hose, both internally and externally is required.



Hose Bore Size		Actual Hose Bore Size		O.D. of Cover		Minimum Bend Radius		Maximum Working Pressure		Burst Pressure		Weight per Unit Length		Maximum Continuous Length	
in	mm	in	mm	in	mm	in	mm	psi	bar	psi	bar	lbs/ft	kg/mtr	ft	mtrs
1/4	6.4	0.270	6.8	0.460	11.6	3/4	19	2000	130	8000	520	0.11	0.17	60	18
3/8	9.5	3/8	9.5	0.610	15.5	1	25	1500	100	6000	400	0.14	0.22	60	18
1/2	12.7	1/2	12.7	0.770	19.5	1 1/2	38	1000	70	4000	280	0.25	0.37	60	18
5/8	16.0	5/8	16.0	0.960	24.4	2	50	950	65	3800	260	0.35	0.52	60	18
3/4	19.0	3/4	19.0	1.070	27.3	2 1/2	63	900	60	3600	240	0.42	0.65	60	18
1	25.4	1	25.4	1.370	34.8	4	100	750	50	3000	200	0.57	0.88	60	18
1 1/4	32.0	1.200	32.5	1.785	45.30	5 1/4	130	650	44	2600	180	0.85	1.30	60	18
1 1/2	38.0	1.530	38.8	2.035	51.7	6 3/4	170	550	38	2291	158	1.14	1.698	55	17
2	50.0	2.030	51.5	2.560	65.7	8 1/4	210	400	28	1783	123	1.58	2.355	42	13

The silicone cover limits the maximum service temperature to 392°F, 200°C.

VACUUM LIMITATIONS

Useable at full vacuum up to 285°F, 140°C.