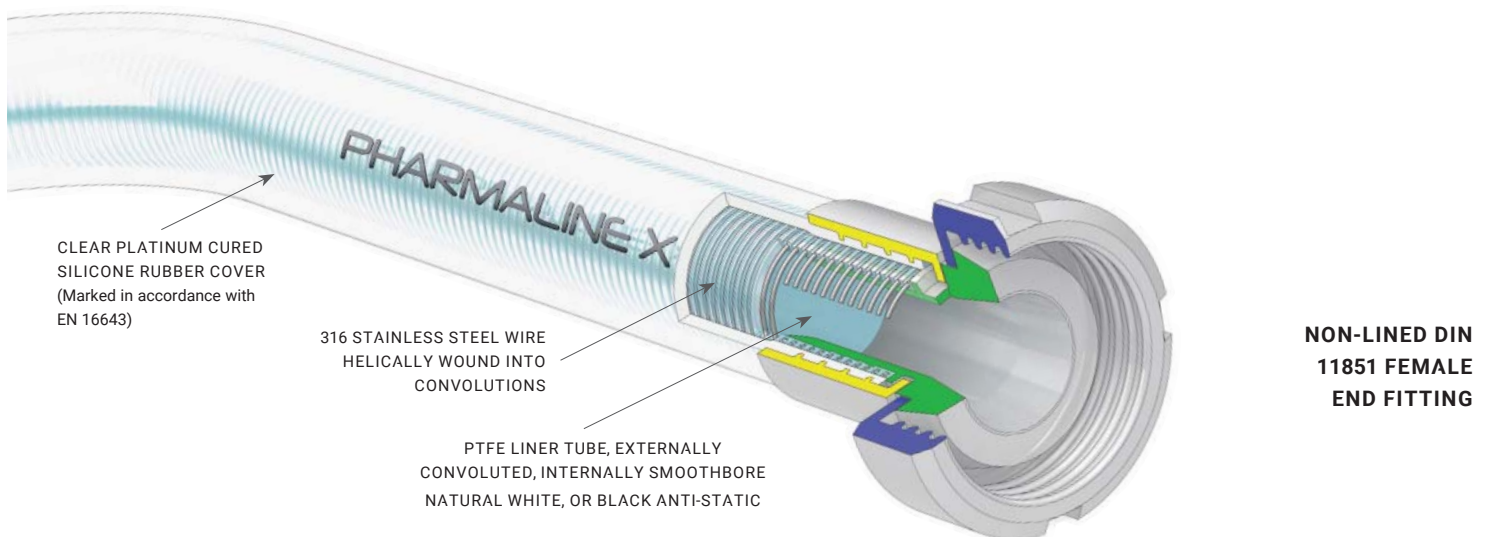


PHARMALINE® X

PTFE Hose for biotechnology and pharmaceutical fluid transfer

Replaces silicone rubber hose in applications where total internal chemical resistance is required

PHARMALINE X PTFE HOSE ASSEMBLY



PHARMALINE X HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -

1/4" (6.4MM) UP TO 2" (50MM)

HOSE LENGTHS -

20 METRES (65 FEET) UP TO 1", 6 METRES (20 FEET) UP TO 2"

TEMPERATURE LIMITS -

FROM -100°F (-73°C) UP TO +400°F (+204°C)

WORKING PRESSURE RATINGS -

109 PSI (7.5 BAR) FOR 1/4" TO 29 PSI (2 BAR) FOR 2"

VACUUM LIMITATIONS -

USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES UP TO 302°F (150°C)

END FITTING OPTIONS *Non-Lined design for:*

SANITARY TRICLAMP FITTINGS, ANSI 150 FLANGE FITTINGS, DIN FITTINGS, CAM & GROOVE FITTINGS AND MORE. LASER ETCHED FERRULE FOR ULTIMATE TRACEABILITY.

APPROVALS -

USP CLASS VI, ISO 9001: 2015, OHSAS 18001:2007, ISO 14001: 2015, EN16643:2016, FDA (MATERIALS), 3-A 62-02, ATEX, 3.1 TRACEABILITY, (EU) 10/2011

FOR THE FULL PHARMALINE X HOSE BROCHURE PLEASE VISIT - WWW.AFLEX-HOSE.COM

SPECIFICATIONS FOR PHARMALINE X HOSE GRADES † *Maximum Working Pressures do not vary with temperature*

Nominal Hose Bore Size		Actual Hose Bore Size		Helix Wire	Outside Diameter of Cover		Minimum Bend Radius		*Maximum Working Pressure		Burst Pressure		Weight per Unit Length	
in	mm	in	mm		in	mm	in	mm	Psi	Bar	Psi	Bar	lb/ft	Kg/Mtr
1/4	6.4	0.260	6.6	-	0.456	11.6	1 1/4	30	109	7.5	435	30	0.06	0.09
3/8	9.5	0.382	9.7	-	0.610	15.5	1 1/2	38	87	6.0	348	24	0.09	0.14
1/2	12.7	0.516	13.1	√	0.845	21.4	2 3/8	60	84	5.8	334	23	0.21	0.32
5/8	16.0	0.638	16.2	√	0.990	25.2	2 1/2	64	72	5.0	290	20	0.19	0.29
3/4	19.0	0.760	19.3	√	1.120	28.5	3	75	72	5.0	290	20	0.37	0.55
1	25.4	1.012	25.7	√	1.455	37.0	4 3/4	120	60	4.0	240	16	0.44	0.81
1 1/4	32.0	1.268	32.2	√	1.755	44.6	5 1/2	140	43	3.0	175	12	0.50	0.75
1 1/2	38.0	1.516	38.5	√	2.035	51.7	7	180	29	2.0	116	8	0.74	1.11
2	50.0	2.012	51.1	√	2.580	65.6	12	300	29	2.0	116	8	1.28	1.91

***MAXIMUM WORKING PRESSURES (MWP)**

The lesser of the MWP for the hose and the MWP of either of the end fittings.

TEMPERATURE LIMITATIONS

Usable from -100°F (-73°C) up to +400°F (+204°C)

VACUUM LIMITATIONS

Pharmaline X hose is usable at vacuum to -0.9bar up to 302°F (150°C).

ROLLING U TEST FOR FLEX LIFE

(View this in the 'Videos' section of our website)

More than 15x the flex life to failure compared with other types of rubber covered, smoothbore PTFE lined hose products.

FLEXIBILITY

Much less force to bend than any other equivalent smooth bore PTFE lined hose product.

KINK RESISTANCE (See website for video)

Much more resistant to kinking than any other equivalent smooth bore PTFE lined hose product.

PHAX - USA/28.06.18 Rev 2



*A member of Watson-Marlow Fluid Technology Group.
A Spirax-Sarco Engineering plc company*

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