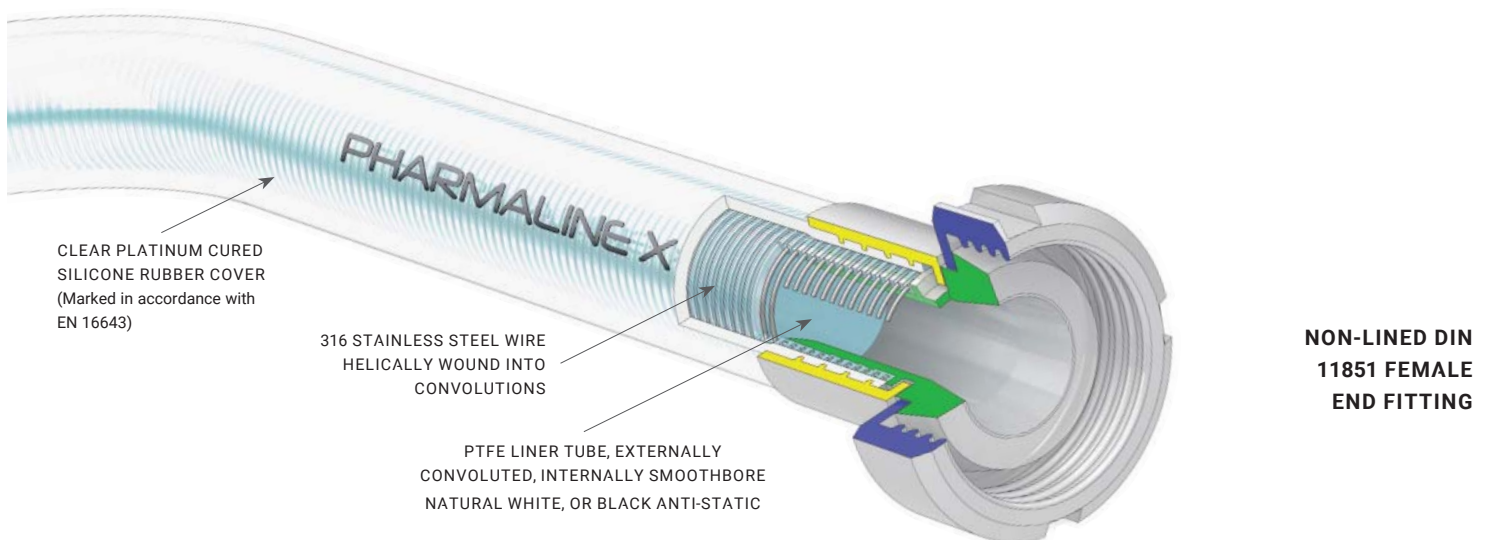


# PHARMALINE<sup>®</sup> X

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](http://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/10.09.18 Rev 3**



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

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