

Pharmaline X



Pharmaline N and X

Features and benefits

- Replaces silicone rubber hose in applications where total internal chemical resistance is required
- Smooth bore for uninterrupted fluid flow and ease of cleaning
- Very flexible, yet kink resistant with a natural or anti-static PTFE liner
- Range of non-lined end fittings with laser etched ferrule for ultimate traceability
- Fully encapsulated hygienic labeling system available
- Assemblies suitable for COP soaking, CIP and SIP cleaning, and extensive autoclave sterilizing cycles



Pharmaline X performance

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
1/2	9.5	0.382	9.7	-	0.610	15.5	1 1/2	38	87	6.0	348	24	0.09	0.14
3/4	12.7	0.516	13.1	✓	0.845	21.4	2 1/4	60	84	5.8	334	23	0.21	0.32
1	16.0	0.638	16.2	✓	0.990	25.2	2 1/2	64	72	5.0	290	20	0.19	0.29
1 1/4	19.0	0.760	19.3	✓	1.120	28.5	3	75	72	5.0	290	20	0.37	0.55
1 1/2	25.4	1.012	25.7	✓	1.455	37.0	4 1/4	120	60	4.0	240	16	0.44	0.81
2	32.0	1.268	32.2	✓	1.755	44.6	5 1/2	140	43	3.0	175	12	0.50	0.75
2 1/2	38.0	1.516	38.5	✓	2.035	51.7	7	180	29	2.0	116	8	0.74	1.11
3	50.0	2.012	51.1	✓	2.580	65.6	12	300	29	2.0	116	8	1.28	1.91

† Maximum working pressures do not vary with temperature

Technical specifications

	Pharmaline X
Nominal bore size	0.25 - 2 in (6.4 - 50 mm)
Actual bore size	0.27 - 2.031 in (6.8 - 51.6 mm)
Length	100 ft (30 m)
Outside diameter	0.456 - 2.58 in (11.6 - 65.6 mm)
Max. operating pressure	109 psi (7.5 bar)
Burst pressure	116 - 435 psi (8 - 30 bar)
Certification and compliance	(EU) 10/2011, 3-A 62-02, ATEX, EN16643:2016, FDA (materials), USP Class VI
Operating temperature	-100 °F to 400 °F (-73 °C to 204 °C)
Bend radius	1.25 - 12 in (30 - 300 mm)
Weight per unit length	0.06 - 1.28 lb/ft (0.09 - 1.91 kg/m)
Braid	None
Cover	Silicone rubber
End fitting	BSP 60° cone seat female fittings, CAM and groove fittings, Grooved standpipe fittings, JIC fittings, NPT and BSPT fittings, PTFE dip pipe fittings, Swivel flange fittings
Labelling options	Color coding, Standard, Streamline tagging
Vacuum resistance	Vacuum resistant to -0.9bar up to 150C (302F)

Materials of construction

	Pharmaline X
Helical wire	Stainless steel 316
Liner tube	Antistatic PTFE, Natural PTFE

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