

Silicone rubber covered (SI) grade hoses



Corroflon

Features and benefits

- Natural or anti-static patented PTFE liner
- The shallow convoluted liner design delivers exceptional flexibility while minimising restriction in flow rate
- Vacuum and kink resistant
- High temperature and pressure capability
- Chemical resistant
- PTFE lined and non-lined end fittings
- Range of braid, cover and external protection options available



Silicone rubber covered (SI) grade hoses performance

Nominal hose bore size		Bore inside convolutions		Corroflon grade (braid & cover)	Maximum working pressure of hose		Burst pressure		Minimum bend radius	
in	mm	in	mm		bar	psi	bar	psi	in	mm
1/2	15	0.440	11.2	SS, RC/FP, RC, SI	41	595	450	6,525	2 1/4	57
3/4	20	0.620	15.7	SS, RC/FP, RC, SI	35	505	240	3,480	3	76
1	25	0.847	21.5	SS, RC/FP, RC, SI	31	450	200	2,900	4 1/4	105
1 1/4	32	1.080	27.5	SS, RC/FP	27	390	180	2,610	4 1/4	123
				RC, SI	27	390	180	2,610	4 1/4	123
1 1/2	40	1.250	32.0	SS, RC/FP, RC, SI	23	335	120	1,740	6	150
2	50	1.690	43.0	SS, RC/FP, RC, SI	20	290	100	1,450	8 1/4	210
2 1/2	65	2.120	54.0	SS, RC/FP, RC, SI	16	230	70	1,015	10 1/2	267
3	80	2.500	64.0	SS, RC/FP, RC, SI	14	205	60	870	13 1/2	345
4	100	3.860	98.0	SS, RC/FP, RC, SI	10	145	40	580	17 3/4	450
6	150	5.250	130.0	SS, RC/FP, RC, SI	5	73	20	290	35 1/2	900

SS, RC/FP = Fireproof rubber cover, RC = EPDM rubber cover, SI = Silicone rubber cover

Technical specifications

	Silicone rubber covered (SI) grade hoses
Nominal bore size	15 - 150 mm (0.5 - 6 in)
Actual bore size	11.2 - 130 mm (0.44 - 5.25 in)
Length	4 - 22 m (13 - 72 Ft)
Outside diameter	22.8 - 154 mm (0.9 - 6.06 in)
Max. operating pressure	41 bar (595 psi)
Burst pressure	20 - 450 bar (290 - 6,525 psi)
Certification and compliance	3.1 Traceability, ATEX, EN16643:2016, EU Regulation 10/2011, FDA (materials), ISO 14001:2015, ISO 9001:2015, OHSAS 18001:2015
Operating temperature	-73 °C to 224 °C (-99 °F to 435 °F)
Bend radius	57 - 900 mm (2.25 - 35.5 in)
Weight per unit length	0.49 - 12 kg/m (0.33 - 8.04 lb/ft)
Cover	Silicone rubber
Hose external protection options	Protection coil, Safeguard, Scuff rings
End fitting	90° elbow fittings, BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, SMS and RJT fittings, Swivel flange fittings
Labelling options	Colour coding, Standard, Streamline tagging
Vacuum resistance	Vacuum resistant to -0.9 bar up to 150 °C (302 °F)

Materials of construction

	Silicone rubber covered (SI) grade hoses
Helical wire	Stainless steel
Liner tube	Anti-static PTFE, Natural PTFE
Braid	Stainless steel
Wire braid	Stainless steel
Fitting liner	PTFE

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