Tube only (TO) 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

Tube only (TO) 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	TO	6	87	24	350	1 1/2	38
3/4	20	0.620	15.7	TO	5	70	20	290	2	51
1	25	0.847	21.5	TO	4.5	65	18	260	2 3/4	70
1 1/4	32	1.080	27.5	TO	4	58	16	230	3 1/4	82
1 1/2	40	1.250	32.0	TO	3.5	50	14	205	4	100
2	50	1.690	43.0	TO	3	44	12	175	5 1/2	140
2 1/2	65	2.120	54.0	TO	2.5	36	10	145	7	178
3	80	2.500	64.0	TO	2	29	8	115	9	230
4	100	3.860	98.0	TO	1.5	22	6	87	11 3/4	300
6	150	5.250	130.0	TO	0.75	11	3	44	23 3/4	600
TO = Tube only										

Technical specifications

	Tube only (TO) 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	16.1 - 146 mm (0.63 - 5.75 in)
Max. operating pressure	6 bar (87 psi)
Burst pressure	3 - 24 bar (44 - 350 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
Bend radius	38 - 600 mm (1.5 - 23.75 in)
Weight per unit length	0.21 - 6.5 kg/m (0.14 - 4.36 lb/ft)
Braid type	None
Cover	None
Hose external protection options	Protection coil, Safegard, 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
Vacuum resistance	Vacuum resistant to -0.9 bar up to 150 °C (302 °F)

Materials of construction

	Tube only (TO) grade hoses
Helical wire	Stainless steel
Liner tube	Anti-static PTFE, Natural PTFE
Fitting liner	PTFE

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