

Stainless steel braid (SS) grade hoses



Corroflon

Features and benefits

- Natural or anti-static patented PTFE liner
- The shallow convoluted liner design delivers exceptional flexibility while minimizing 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



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	41	595	450	6,525	1 1/2	38
1/4	20	0.620	15.7	SS	35	505	240	3,480	2	51
				SS, RC/FP, RC, SI	35	505	240	3,480	3	76
1	25	0.847	21.5	SS	31	450	200	2,900	2 1/2	70
				SS, RC/FP, RC, SI	31	450	200	2,900	4 1/4	105
1 1/4	32	1.080	27.5	SS	27	390	180	2,610	3 1/2	82
				SS, RC/FP	27	390	180	2,610	4 1/4	123
1 1/2	40	1.250	32.0	SS	23	335	120	1,740	4	100
				SS, RC/FP, RC, SI	23	335	120	1,740	6	150
2	50	1.690	43.0	SS	20	290	100	1,450	5 1/2	140
				SS, RC/FP, RC, SI	20	290	100	1,450	8 1/4	210
2 1/2	65	2.120	54.0	SS	16	230	70	1,015	7	178
				SS, RC/FP, RC, SI	16	230	70	1,015	10 1/2	267
3	80	2.500	64.0	SS	14	205	60	870	9	230
				SS, RC/FP, RC, SI	14	205	60	870	13 1/2	345
4	100	3.860	98.0	SS	10	145	40	580	11 1/4	300
				SS, RC/FP, RC, SI	10	145	40	580	17 1/4	450
6	150	5.250	130.0	SS	5	73	20	290	23 1/4	600
				SS, RC/FP, RC, SI	5	73	20	290	35 1/2	900

SS = Stainless steel braid, SS,RC/FP = Fireproof rubber cover, SI = Silicone rubber cover

Technical specifications

	Stainless steel braid (SS) grade hoses
Nominal bore size	0.5 - 6 in (15 - 150 mm)
Actual bore size	0.44 - 5.25 in (11.2 - 130 mm)
Length	13 - 72 ft (4 - 22 m)
Outside diameter	0.7 - 5.87 in (17.8 - 149 mm)
Max. operating pressure	595 psi (41 bar)
Burst pressure	290 - 6,525 psi (20 - 450 bar)
Certification and compliance	(EU) 10/2011, 3.1 Traceability, ATEX, EN16643:2016, FDA (materials), ISO 14001:2015, ISO 9001:2015, OHSAS 18001:2015
Operating temperature	-99 °F to 500 °F (-73 °C to 260 °C)
Bend radius	1.5 - 23.75 in (38 - 600 mm)
Weight per unit length	0.22 - 6.7 lb/ft (0.33 - 10 kg/m)
Cover	None
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	Color coding, Standard
Vacuum resistance	Vacuum resistant to -0.9bar up to 150C (302F)

Materials of construction

	Stainless steel braid (SS) grade hoses
Helical wire	Stainless steel
Liner tube	Antistatic PTFE, Natural PTFE
Braid	Stainless steel
Wire braid	Stainless steel
Fitting liner	PTFE

Disclaimer: The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the users' responsibility to ensure product suitability for use within their application. Bioflex, Corroflon, Corroline, Hyperline FX, Pharmaline are registered trademarks of Aflex Hose Limited. A member of Watson-Marlow Fluid Technology Group, A Spirax-Sarco Engineering plc company.



wmfts.com/global
12 December 2025