

Features and benefits

- Very flexible and reinforced to withstand the most severe conditions of physical abuse
- Fully kink and crush resistant
- Anti-static and fireproof rubber cover
- Smooth bore for fast flow and easy clean
- Natural or anti-static PTFE liner
- PTFE-lined and non-lined end fittings
- Range of external protection options



Performance

Nominal hose bore size		Actual hose bore size		Outside diameter		Maximum working pressure		Minimum bend radius		**Maximum continuous lengths		Weight per unit length	
in	mm	in	mm	in	mm	psi	bar	in	mm	ft	m	kg/mtr	lb/ft
1/2*	13	0.51	13.1	0.85	21.5	1,000	69	1 3/8	38	100	30	0.40	0.27
3/8*	20	0.76	19.3	1.12	28.5	624	43	2	50	100	30	0.70	0.47
1	25	1.01	25.7	1.45	37.0	600	41	2 3/4	70	100	30	1.10	0.74
1 1/4	32	1.26	32.2	1.75	44.6	550	38	3 5/16	100	100	30	1.60	1.07
1 1/2	40	1.51	38.5	2.03	51.7	500	34	4 3/4	120	100	30	1.92	1.29
2	50	2.01	51.1	2.55	65.0	400	28	5 15/16	150	100	30	2.80	1.88
2 1/2	65	2.51	63.7	3.17	80.5	290	20	11 11/16	300	59	18	3.98	2.67
3	80	3.02	76.8	3.65	92.8	218	15	13 7/8	350	49	15	4.42	2.97

* The 1/2" and 3/8" size hoses do not include the helical wire embedded in the rubber

** Longer lengths may be available, to special order

Technical specifications

	Corroline+
Nominal bore size	13 - 80 mm
Nominal bore size	0.5 - 3 in
Actual bore size	13.1 - 76.8 mm
Actual bore size	0.51 - 3.02 in
Outside diameter	21.5 - 92.8 mm
Outside diameter	0.85 - 3.65 in
Max. operating pressure	69 bar
Max. operating pressure	1000 psi
Certification	(EU) 10/2011, 3.1 Traceability, ATEX, EN16643:2016, FDA (materials), Fireproof to BSS173 section 103.13 part 6.2 and 6.3
Operating temperature range	-40 to 150 °C
Operating temperature range	-40 to 302 °F
Bend radius	38 - 350 mm
Bend radius	1.375 - 13.75 in
Braid	Stainless steel
Cover	EPDM
Hose external protection options	DBK 300 double rubber cover, Protection coil, Safeguard
End fitting	BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, ENCAP end fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, Swivel flange fittings
Labelling options	Color coding, Standard
Vacuum resistance	Vacuum resistant to -0.9bar up to 150C (302F)

Materials of construction

	Corroline+
Helical wire	Stainless steel
Liner tube	Antistatic PTFE, Natural PTFE
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



15 June 2023