

Corroflon®

PTFE hose for chemical and process fluid transfer

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



TECHNICAL SPECIFICATION

Size range	
Hose bore size range	½" (15mm) up to 6" (150mm)
Hose lengths	
up to 2" (50mm)	up to 30m (100ft)
up to 3" (80mm)	up to 20m (65ft)
up to 4" (100mm)	up to 10m (32ft)
up to 6" (150mm)	up to 5m (16ft)
Temperature limits	
Stainless steel braided (SS grade) hose	-73C (-100F) up to +260C (+500F)
Polypropylene braided (PB grade) hose	-30C (-22F) up to +100C (+212F)
EPDM rubber covered (RC or FP grade) hose	-40C (-40F) up to +150C (+302F)
Silicone rubber covered (SI grade) hose	-73C (-100F) up to +224C (+435F)
Kynar braided hose (KYB grade) hose	-40C (-40F) up to +120C (+248F)
Working pressure ratings for SS grade (dependant upon temperature)	
½" (15mm)	41bar (595psi)
up to	
2" (50mm)	20bar (290psi)
Vacuum limitations	
For all sizes up to 2" and for special purpose liner (SP grade) above 2"	Vacuum resistant to -0.9bar up to +150C (+302F)
Approvals (both natural and anti-static)	
ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2015, EN16643:2016, ATEX, FDA (materials), 3.1 Traceability, (EU) 10/2011, RC/FP grade EPDM rubber cover fireproof to BS5173 section 103.13 part 6.2	

OPTIONS AND ACCESSORIES

Liner options	
Liner options available;	General purpose (GP) natural PTFE, Anti-static PTFE (AS) or Special purpose (SP) for applications requiring a higher temperature/pressure rating
End fitting options	
Non-lined, or PTFE lined and flared design for;	ANSI 150, DIN and JIS swivel flange, Cam and Groove, Sanitary Triclamp, DIN 11851 and SMS hygienic fittings. Laser etched ferrule for ultimate traceability
Non-lined design for;	BSP, NPT and JIC Threaded Fittings, RJT Fittings and more
Braid, cover, external protection and labelling options	
Braid design options	Stainless steel wire or polypropylene yarn braid are standard. Hastelloy or PVDF braids to special order
External cover options	Black EPDM rubber cover (RC grade) or clear silicone rubber cover (SI grade)
External protection options	Safeguard, scuff rings, or protection coil
Labelling options	Standard labelling, streamline tagging, or colour coding

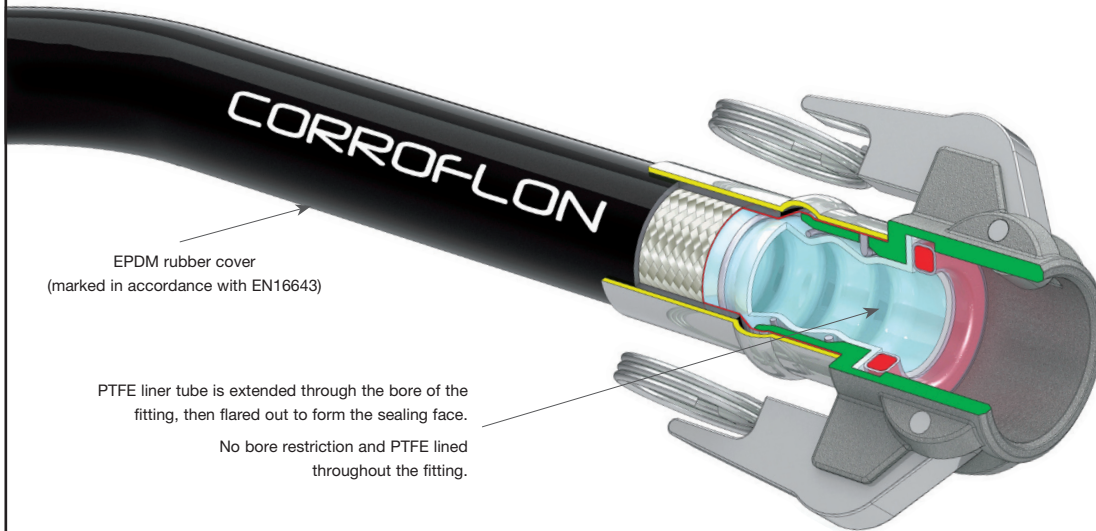
PERFORMANCE DATA

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
				SS	41	595	450	6,525	1 1/2	38
				PB	31	450	150	2,175	1 1/2	38
				SS, RC/FP	41	595	450	6,525	2 1/4	57
				RC, SI	41	595	450	6,525	2 1/4	57
3/4	20	0.620	15.7	TO	5	70	20	290	2	51
				SS	35	505	240	3,480	2	51
				PB	26	375	105	1,520	2	51
				SS, RC/FP	35	505	240	3,480	3	76
				RC, SI	35	505	240	3,480	3	76
1	25	0.847	21.5	KYB	13	190	52.5	760	2	51
				TO	4.5	65	18	260	2 3/4	70
				SS	31	450	200	2,900	2 3/4	70
				PB	23	334	93	1,350	2 3/4	70
				SS, RC/FP	31	450	200	2,900	4 1/4	105
1 1/4	32	1.080	27.5	RC, SI	31	450	200	2,900	4 1/4	105
				KYB	11	160	46.5	675	2 3/4	70
				TO	4	58	16	230	3 1/4	82
				SS	27	390	180	2,610	3 1/4	82
				PB	20	290	81	1,175	3 1/4	82
1 1/2	40	1.250	32.0	SS, RC/FP	27	390	180	2,610	4 3/4	123
				RC, SI	27	390	180	2,610	4 3/4	123
				KYB	10	145	40.5	585	3 1/4	82
				TO	3.5	50	14	205	4	100
				SS	23	335	120	1,740	4	100
2	50	1.690	43.0	PB	17	245	69	1,000	4	100
				SS, RC/FP	23	335	120	1,740	6	150
				RC, SI	23	335	120	1,740	6	150
				KYB	9	130	34.5	500	4	100
				TO	3	44	12	175	5 1/2	140
2 1/2	65	2.120	54.0	SS	20	290	100	1,450	5 1/2	140
				PB	15	215	60	870	5 1/2	140
				SS, RC/FP	20	290	100	1,450	8 1/4	210
				RC, SI	20	290	100	1,450	8 1/4	210
				KYB	8	115	30	435	5 1/2	140
3	80	2.500	64.0	TO	2.5	36	10	145	7	178
				SS	16	230	70	1,015	7	178
				PB	12	175	48	695	7	178
				SS, RC/FP	16	230	70	1,015	10 1/2	267
				RC, SI	16	230	70	1,015	10 1/2	267
4	100	3.860	98.0	KYB	6	87	24	350	7	178
				TO	2	29	8	115	9	230
				SS	14	205	60	870	9	230
				PB	10	145	42	610	9	230
				SS, RC/FP	14	205	60	870	13 1/2	345
6	150	5.250	130.0	RC, SI	14	205	60	870	13 1/2	345
				KYB	5	73	21	305	9	230
				TO	1.5	22	6	87	11 3/4	300
				SS	10	145	40	580	11 3/4	300
				PB	8	115	30	435	11 3/4	300
6	150	5.250	130.0	SS, RC/FP	10	145	40	580	17 3/4	450
				RC, SI	10	145	40	580	17 3/4	450
				KYB	-	-	-	-	-	-
				TO	0.75	11	3	44	23 3/4	600
				SS	5	73	20	290	23 3/4	600
6	150	5.250	130.0	PB	-	-	-	-	-	-
				SS, RC/FP	5	73	20	290	35 1/2	900
				RC, SI	5	73	20	290	35 1/2	900
				KYB	-	-	-	-	-	-

TO = Tube only, SS = Stainless steel braid, PB = Polypropylene braid, SS,RC/FP = Fireproof rubber cover, RC = EPDM rubber cover, SI = Silicone rubber cover, KYB = Kynar braid

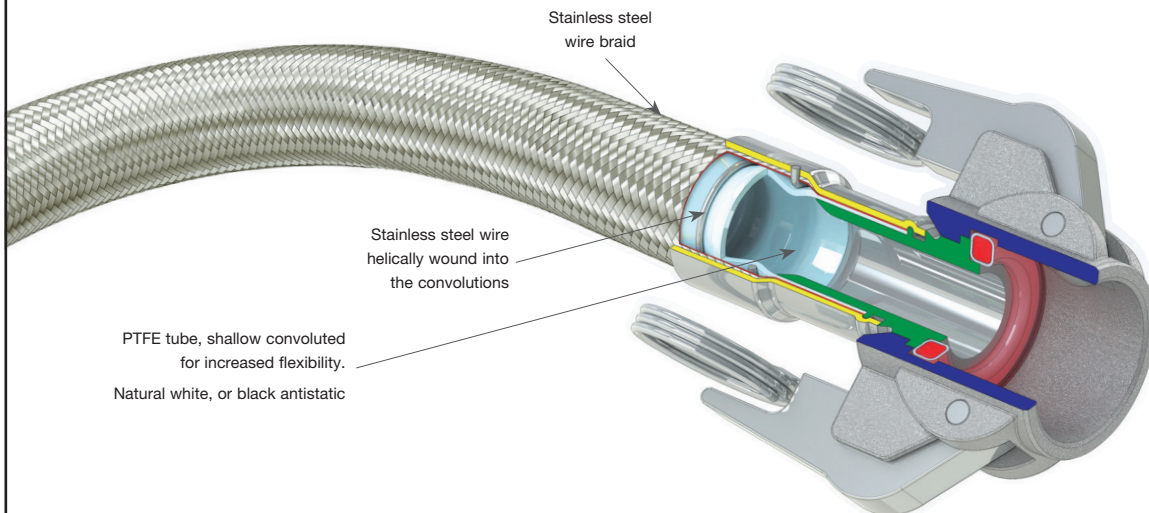
MATERIALS OF CONSTRUCTION

Corroflon GP, SS, RC rubber covered PTFE hose assembly



**PTFE lined & flared
Cam & Groove
end fitting**

Corroflon GP, SS PTFE hose assembly



**Non-lined swivelling
Cam & Groove
end fitting**

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