

# Polypropylene braid (PB) 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



## Polypropylene braid (PB) grade hoses performance

Nominal hose bore size		Bore inside convolutions		Corroflon grade (braid)	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	PB	31	450	150	2,175	1 1/2	38
3/4	20	0.620	15.7	PB	26	375	105	1,520	2	51
1	25	0.847	21.5	PB	23	334	93	1,350	2 1/4	70
1 1/4	32	1.080	27.5	PB	20	290	81	1,175	3 1/4	82
1 1/2	40	1.250	32.0	PB	17	245	69	1,000	4	100
2	50	1.690	43.0	PB	15	215	60	870	5 1/2	140
2 1/2	65	2.120	54.0	PB	12	175	48	695	7	178
3	80	2.500	64.0	PB	10	145	42	610	9	230
4	100	3.860	98.0	PB	8	115	30	435	11 1/4	300
6	150	5.250	130.0	PB	-	-	-	-	-	-

PB = Polypropylene braid

## Technical specifications

	Polypropylene braid (PB) grade hoses
Nominal bore size	15 - 100 mm (0.5 - 4 in)
Actual bore size	11.2 - 98 mm (0.44 - 3.86 in)
Length	10 - 22 m (32 - 72 Ft)
Outside diameter	20.4 - 112.8 mm (0.8 - 4.44 in)
Max. operating pressure	31 bar (450 psi)
Burst pressure	30 - 150 bar (435 - 2,175 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	-30 °C to 100 °C (-22 °F to 212 °F)
Bend radius	38 - 300 mm (1.5 - 11.75 in)
Weight per unit length	0.26 - 3.98 kg/m (0.17 - 2.67 lb/ft)
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	Colour coding, Standard
Vacuum resistance	Vacuum resistant to -0.9 bar up to 150 °C (302 °F)

## Materials of construction

	<b>Polypropylene braid (PB) grade hoses</b>
Helical wire	Stainless steel
Liner tube	Anti-static PTFE, Natural PTFE
Braid	Polypropylene
Wire braid	Polypropylene
Fitting liner	PTFE

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12 December 2025