Kynar braid (KYB) 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

Kynar braid (KYB) 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	KYB	15	215	61.5	890	1 1/2	38
3/4	20	0.620	15.7	KYB	13	190	52.5	760	2	51
1	25	0.847	21.5	KYB	11	160	46.5	675	2 3/4	70
1 1/4	32	1.080	27.5	KYB	10	145	40.5	585	3 1/4	82
1 1/2	40	1.250	32.0	KYB	9	130	34.5	500	4	100
2	50	1.690	43.0	KYB	8	115	30	435	5 1/2	140
2 1/2	65	2.120	54.0	KYB	6	87	24	350	7	178
3	80	2.500	64.0	KYB	5	73	21	305	9	230
4	100	3.860	98.0	KYB	-	-	-	-	-	-
6	150	5.250	130.0	KYB	-	-	-	-	-	-
KYB = Kynar braid										

Technical specifications

	Kynar braid (KYB) grade hoses
Nominal bore size	15 - 80 mm (0.5 - 3 in)
Actual bore size	11.2 - 64 mm (0.44 - 2.5 in)
Length	20 - 22 m (65 - 72 Ft)
Outside diameter	19.3 - 86.2 mm (0.76 - 3.39 in)
Max. operating pressure	15 bar (215 psi)
Burst pressure	21 - 61.5 bar (305 - 890 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	-40 °C to 120 °C (-40 °F to 248 °F)
Bend radius	38 - 230 mm (1.5 - 9 in)
Weight per unit length	0.23 - 2.3 kg/m (0.15 - 1.54 lb/ft)
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

	Kynar braid (KYB) grade hoses
Helical wire	Stainless steel
Liner tube	Anti-static PTFE, Natural PTFE
Braid	Kynar®
Wire braid	Kynar
Fitting liner	PTFE

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