Bredel hose pump elements

Bredel SERIES
Bredel Hose Pumps

FEATURES AND BENEFITS

- Optimised for exceptional pumping performance with abrasive and high viscosity media
- The hose is the only wearing part that contacts the fluid
- Precision machined for accurate, repeatable performance and maximum hose life
- Consistent volumetric accuracy of 99% and 9.5m suction lift, independent of suction and discharge conditions
- Tight wall thickness tolerances for low stress on bearings – perfect compression for long hose life
- Pressure capability up to 16 bar (232psi).

1. Rough hose surface prior to machining.
2. Precision machined NR outer layer.
3. Two or four nylon cord reinforcement layers.
4. Inner layer available in NR, NR Endurance, EPDM, NBR, F-NBR or CSM.

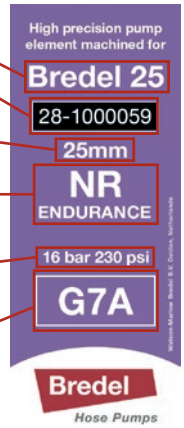
HOSE MATERIALS		Medium temperature	Examples of compatible media*
NR/NR Endurance	• Outstanding abrasion resistance. • Generally resistant to diluted acids and alcohols.	Max. 80C (176F) Min. -20C (-4F)	• Sludge with up to 85% solids • Magnesium oxide and titanium dioxide • Water based paints, pigments • Food waste
NBR	• Resistant to oils (non-mineral), greases, alkalis and detergents.	Max. 80C (176F) Min. -10C (14F)	• Sludge with fractions of hydrocarbons • Polyaluminium chloride
F-NBR	• Suitable for a wide range of food products including a range of oils and greases. • Is compliant to EC1935/2004 and FDA 21CFR177.2600 and meets 3A standards. • White inner surface for food contact • Cleaned, capped and bagged.	Max. 80C (176F) Min. -10C (14F)	• Fruit and fruit concentrates • Yoghurt and dairy products • Yeast, sugar, food additives
EPDM	• Excellent chemical resistance, especially to ketones, alcohols and concentrated acids.	Max. 90C (194F) Min. -10C (14F)	• Sodium Hypochlorite/Bisulphate • Ferric Chloride • Hydrochloric Acid
CSM	• Outstanding resistance to strong, oxidising products and concentrated acids and bases.	Max. 80C (176F) Min. -10C (-14F)	• Hydrogen Peroxide up to 60% • Cationic flocculant (polymer) • Highly concentrated Sulphuric Acid

Bore size mm (inch)	Wall thickness mm (inch)	Length mm (inch)	Max. operating pressure bar (psi)		Mass kg (lb)
10 (0.39)	10.5 (0.413)	510 (20.1)	NR Endurance, NBR, F-NBR	12 (174)	0.4 (0.88)
			EPDM,CSM	10 (145)	
15 (0.59)	10.5 (0.413)	755 (29.7)	NR Endurance, NBR, F-NBR	12 (174)	0.8 (1.76)
			EPDM, CSM	10 (145)	
20 (0.79)	8.5 (0.337)	755 (29.7)	10 (145)		0.6 (1.32)
25 (0.98)	14.1 (0.555)	1005 (39.9)	16 (232)		2.0 (4.41)
32 (1.26)	14.5 (0.571)	1250 (49.2)	16 (232)		3.0 (6.61)
40 (1.57)	13.2 (0.520)	1490 (58.7)	16 (232)		3.5 (7.72)
50 (1.97)	15.0 (0.591)	1820 (71.7)	16 (232)		6.0 (13.23)
65 (2.56)	17.1 (0.673)	2340 (91.1)	16 (232)		12 (26.46)
80 (3.15)	21.0 (0.827)	2780 (109.4)	16 (232)		21 (46.30)
100 (3.94)	22.0 (0.866)	3280 (129.1)	16 (232)		30 (66.14)

* Your local Bredel sales office/distributor can advise the right hose for your application

For best pump performance use Bredel Genuine Hose Lubricant (NSF Non food Compound Program Listed, category H1)

Hose identification (example)



E=F-NBR / M=CSM / N=NR / G=NR Endurance / P=NBR / S=EPDM

Year : last digit (7 = 2017) Month : A = Jan, E = May (Code is engraved on the end of each hose)

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