

F-NBR Hose 80

F-NBR hose

Bredel

Hose Pumps

Features and benefits

- White inner surface for food contact
- Compliant to EC1935/2004 and FDA 21CFR177.2600 and meets 3A standards.
- Perfect compression for long life
- Excellent suction performance – 315 inWC
- High pressure capability – up to 232 psi
- Repeatable volumetric accuracy to $\pm 1\%$
- Exceptional performance when handling high viscosity product
- Max. fluid temperature: 176 °F, Min. fluid temperature: 14 °F



Technical specifications

	F-NBR Hose 80
Max. operating pressure	16 bar
Max. operating pressure	232 psi
Max. suction capability	8 mWC
Max. suction capability	315 inWC
Suction capability (80% Flow rate)	5 mWC
Suction capability (80% Flow rate)	197 inWC
Operating temperature range	-20 to 45 °C
Operating temperature range	-4 to 113 °F
Fluid temperature range	-10 to 80 °C
Fluid temperature range	14 to 176 °F
Bore size	80 mm
Bore size	3.15 in
Wall thickness	21 mm
Wall thickness	0.827 in
Length	2780 mm
Length	109.4 in
Weight	21 kg
Weight	46.3 lbs

For continuous duty, we recommend up to 60°C product temperature. However, for product temperature up to 80°C, intermittent duty is recommended. 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)

Materials of construction

	F-NBR Hose 80
Material	F-NBR
Inner layer	F-NBR
Outer layer	NR

Hose composition



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, EPDM, NBR, F-NBR or CSM.

Product codes



Label codes	
A	Pump type
B	Re-order number
C	Bore size
D	Material of the inner layer
E	Maximum permitted pressure
F	Factory code [material; year; month]

On one end of each hose the factory code [material; year; month] and the batch number are engraved.

Year: last digit (7 = 2017)

Month: A = Jan, E = May

Material: E = F-NBR, M = CSM, NM or NT = NR, P = NBR, S = EPDM

Disclaimer: The information contained in this document is believed to be correct at the time of publication, but Watson-Marlow Bredel BV accepts no liability for any error it contains, and reserves the right to alter specifications without prior notice. All mentioned values in this document are values under controlled circumstances at our test bed. Actual flow rates achieved may vary because of changes in temperature, viscosity, inlet and discharge pressures and/or system configuration. APEX, DuCoNite, Bioprene and Bredel are registered trademarks.

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