

NBR (Buna N) 100

NBR (Buna N) hose

Bredel

Hose Pumps

Features and benefits

- Tight tolerances for low stress on bearings
- Perfect compression for long life
- Excellent suction capability up to 6 mWC (236 inWC)
- High pressure capability – up to 232 psi
- Repeatable volumetric accuracy to $\pm 1\%$
- Consistent capacity independent of varying suction and discharge conditions
- Exceptional performance when handling high viscosity product
- Max. fluid temperature: 176 °F, Min. fluid temperature: 14 °F



Technical specifications

	NBR (Buna N) 100
Max. operating pressure	16 bar
Max. operating pressure	232 psi
Max. suction capability	6 mWC
Max. suction capability	236 inWC
Suction capability (80% Flow rate)	4 mWC
Suction capability (80% Flow rate)	157 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	100 mm
Bore size	3.94 in
Wall thickness	22 mm
Wall thickness	0.866 in
Length	3280 mm
Length	129.1 in
Weight	30 kg
Weight	66.14 lbs

Please consult your Bredel representative for lower or higher temperature operation.

Allowable ambient temperature is based on pump capabilities and may be further limited by gearbox ambient capabilities.

Materials of construction

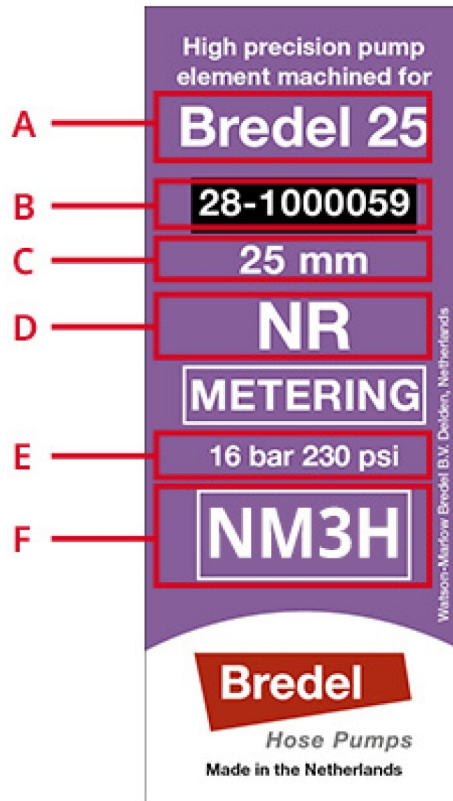
	NBR (Buna N) 100
Material	NBR
Inner layer	NBR
Outer layer	NR

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, NR Endurance, 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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