

NBR (Buna N) 50

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 9 mWC (354 inWC)
- High pressure capability 16 bar (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: 80 °C (176 °F), Min. fluid temperature: -10 °C (14 °F)



Technical specifications

| | NBR (Buna N) 50 |
|------------------------------------|-----------------|
| Max. operating pressure | 16 bar |
| Max. operating pressure | 232 psi |
| Max. suction capability | 9 mWC |
| Max. suction capability | 354 inWC |
| Suction capability (80% Flow rate) | 6 mWC |
| Suction capability (80% Flow rate) | 236 inWC |
| Operating temperature range | -20 °C to 45 °C |
| Operating temperature range | -4 °F to 113 °F |
| Fluid temperature range | -10 °C to 80 °C |
| Fluid temperature range | 14 °F to 176 °F |
| Bore size | 50 mm |
| Bore size | 1.97 in |
| Wall thickness | 15 mm |
| Wall thickness | 0.591 in |
| Length | 1820 mm |
| Length | 71.7 in |
| Weight | 6 kg |
| Weight | 13.23 lbs |

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

| | NBR (Buna N) 50 |
|-------------|---------------------|
| Material | NBR |
| Inner layer | NBR |
| Outer layer | Natural rubber (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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