

# NBR (Buna N) 15

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 - up to 174 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) 15                   |
|------------------------------------|-----------------------------------|
| Max. operating pressure            | 174 psi (12 bar)                  |
| Max. suction capability            | 354 inWC (9 mWC)                  |
| Suction capability (80% Flow rate) | 8 mWC (315 inWC)                  |
| Operating temperature              | -4 °F to 113 °F (-20 °C to 45 °C) |
| Fluid temperature ranges           | 14 °F to 176 °F (-10 °C to 80 °C) |
| Bore size                          | 0.59 in (15 mm)                   |
| Wall thickness                     | 0.413 in (10.5 mm)                |
| Length                             | 29.7 in (755 mm)                  |
| Weight                             | 1.76 lbs (0.8 kg)                 |

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

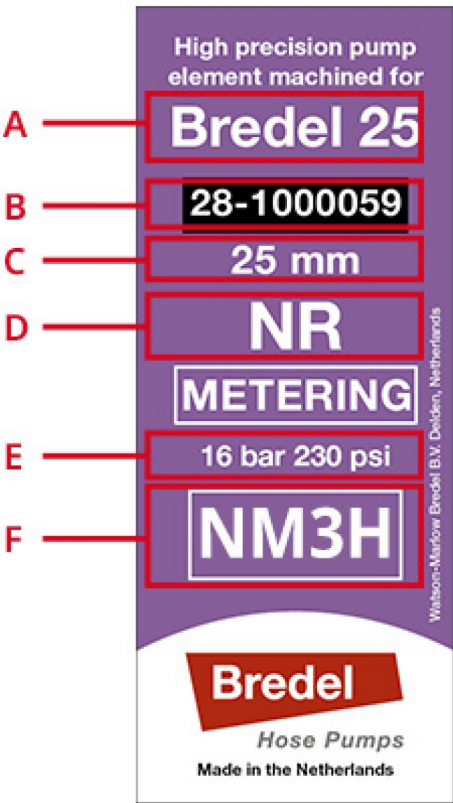
|             | NBR (Buna N) 15 |
|-------------|-----------------|
| Material    | NBR             |
| Inner layer | NBR             |
| Outer layer | NR              |

## 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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