

# F-NBR Hose 40

F-NBR hose



### 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 capability up to 9 mWC (354 inWC)
- High pressure capability 16 bar (232 psi)
- Repeatable volumetric accuracy to  $\pm 1\%$
- Exceptional performance when handling high viscosity product
- Max. fluid temperature: 80 °C (176 °F), Min. fluid temperature: -10 °C (14 °F)



### Technical specifications

|                                    | F-NBR Hose 40                     |
|------------------------------------|-----------------------------------|
| Max. operating pressure            | 16 bar (232 psi)                  |
| Max. suction capability            | 9 mWC (354 inWC)                  |
| Suction capability (80% Flow rate) | 8 mWC (315 inWC)                  |
| Operating temperature              | -20 °C to 45 °C (-4 °F to 113 °F) |
| Fluid temperature                  | -10 °C to 80 °C (14 °F to 176 °F) |
| Bore size                          | 40 mm (1.57 in)                   |
| Wall thickness                     | 13.2 mm (0.52 in)                 |
| Length                             | 1490 mm (58.7 in)                 |
| Weight                             | 3.5 kg (7.72 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 40       |
|-------------|---------------------|
| Material    | F-NBR               |
| Inner layer | F-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, 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 Breidel 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 Breidel are registered trademarks.



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