

EPDM Hose 100

EPDM hose

Bredel

Hose Pumps

Features and benefits

- Tight tolerances for low stress on bearings
- Perfect compression for long life
- Excellent suction performance – 9 m suction lift
- High pressure capability – up to 232 psi
- Repeatable volumetric accuracy to $\pm 1\%$
- Max. fluid temperature: 176 °F Min. fluid temperature: 14 °F



Technical specifications

| | EPDM Hose 100 |
|------------------------------------|---------------|
| Max. operating pressure | 16 bar |
| Max. operating pressure | 232 psi |
| Max. suction capability | 6.5 mWC |
| Max. suction capability | 256 inWC |
| Suction capability (80% Flow rate) | 4.5 mWC |
| Suction capability (80% Flow rate) | 177 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 |

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

| | EPDM Hose 100 |
|-------------|---------------|
| Material | EPDM |
| Inner layer | EPDM |
| 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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