# NR Metering hose 100

*NR Metering hose*

## Features and benefits

- Manufactured for high consistency and repeatability
- Consistent capacity over the full hose life, independent of varying suction and discharge conditions
- Outstanding abrasion resistance from extruded inner layer
- Precision machined to ensure critical tolerances are maintained
- Pressure capability up to 16 bar (232 psi)
- Suction capability up to 7 mWC (276 inWC)
- Max. fluid temperature: 80 °C (176 °F), Min. fluid temperature: -20 °C (-4 °F)

## Technical specifications

| | NR Metering hose 100 |
|---|---|
| Max. operating pressure | 16 bar (232 psi) |
| Max. suction capability | 7 mWC (276 inWC) |
| Suction capability (80% Flow rate) | 5 mWC (197 inWC) |
| Operating temperature | -20 °C to 45 °C (-4 °F to 113 °F) |
| Fluid temperature | -20 °C to 80 °C (-4 °F to 176 °F) |
| Bore size | 100 mm (3.94 in) |
| Wall thickness | 22 mm (0.866 in) |
| Length | 3.28 m (10.76 ft) |
| Length | 3280 mm (129.1 in) |
| Weight | 30 kg (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

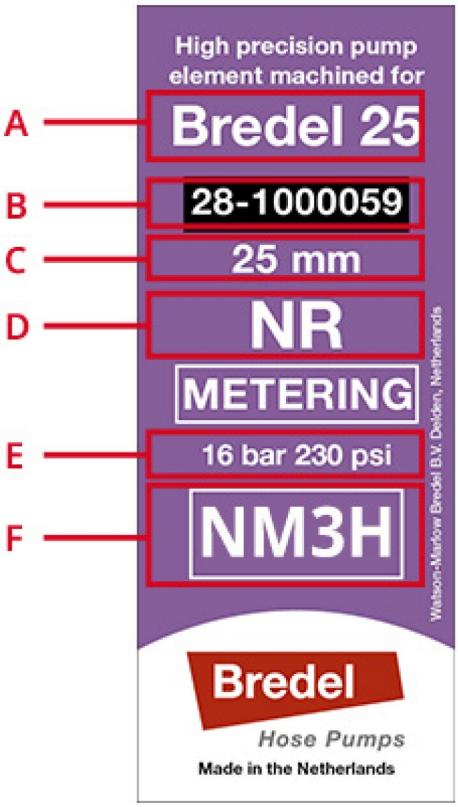
## Materials of construction

| | NR Metering hose 100 |
|---|---|
| Material | Natural rubber (NR) |
| Inner layer | Natural rubber (NR) |
| Outer layer | Natural rubber (NR) |

## Hose composition

| | Hose composition |
|---|---|
| 1 | Rough hose surface prior to machining |
| 2 | Precision machined NR outer layer |
| 3 | Four nylon cord reinforcement layers |
| 4 | Inner layer available in NR |

## 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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