

# NBR for Food Hose 40

NBR for Food hose

**Bredel**

Hose Pumps

## Features and benefits

- Suitable for a wide range of food products
- 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 for Food Hose 40
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)	8 mWC
Suction capability (80% Flow rate)	315 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	40 mm
Bore size	1.57 in
Wall thickness	13.2 mm
Wall thickness	0.52 in
Length	1490 mm
Length	58.7 in
Weight	3.5 kg
Weight	7.72 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 for Food Hose 40
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**

High precision pump element machined for:

**A** — **Bredel 50**

**B** — **050065**

**C** — **50 mm**

**D** — **NBR**

**E** — **16 bar 232 psi**

**F** — **A3F**

for food contact

**Breedel**  
Hose Pumps  
Made in the Netherlands

Watson-Marlow Breedel B.V. Delden, Netherlands

	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: A = NBR for Food, E = F-NBR, M = CSM, NM or NT = NR, P = NBR, S = EPDM

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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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