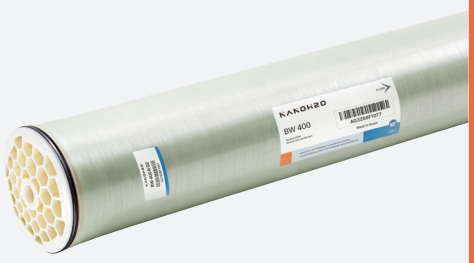
NANOH2O

The World's Only RO Membrane with Breakthrough TFN Technology

Product Data Sheet



# BW 400 R G2

Highest rejection brackish water RO membrane with a 34 mil low dP feed spacer technology

## Key Features

- Highest salt rejection
- Optimized membrane surface hydraulics
- Reduced differential pressure
- Excellent fouling resistance
- Excellent durability

## Main Benefits

- Best permeate water quality
- Reduced cleaning frequency, chemical use, and membrane replacements
- Stable performance recovery after cleanings
- Reduced energy consumption and total cost of plant ownership

## Ideal Applications

- Industrial process water
- Municipal drinking water
- Water reuse

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This product is certified to NSF/ANSI/CAN Standard 61 for drinking water systems

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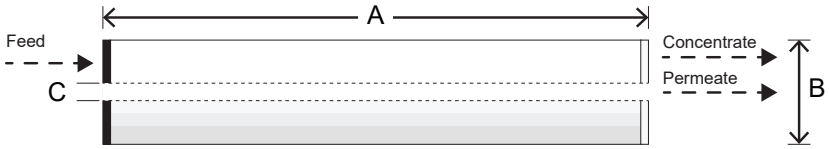
## Performance Specifications

| Item | Unit | Test Condition A | Test Condition B |
|---|---|---|---|
| Permeate Flow Rate | GPD ($m^3$/d) | 11,500 (43.5) | 12,000 (45.4) |
| Stabilized Salt Rejection | % | 99.8 | 99.82 |
| Minimum Salt Rejection | % | 99.65 | 99.69 |
| Active Membrane Area | $ft^2$ ($m^2$) | 400 (37) | |
| Feed Spacer Thickness, Type | mil | 34, low dP | |

The specifications outlined above are normalized performances based on the following test conditions:

- **Test Condition A**: 2,000 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- **Test Condition B (referential only)**: 1,500 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by ±15%

## Dimensions and Weight




| Dimensions: mm (in) | | | Wet Weight: kg (lbs) | Dry Weight: kg (lbs) |
|---|---|---|---|---|
| A | B | C | 16 (35) | 12.5 (27.6) |
| Element Length | Element O.D. | Core Tube I.D. | | |
| 1,016 (40) | 200 (7.9) | 28.6 (1.125) | | |

All dimensional information is indicative and for reference only. Please contact NanoH2O for detailed technical specifications.

## Operating Specifications

| Specification | Unit | Value |
|---|---|---|
| Maximum Applied Pressure | psi (bar) | 600 (41.3) |
| Maximum Chlorine Concentration | ppm | < 0.1 |
| Maximum Operating Temperature | °C (°F) | 45 (113) |
| pH Range, Continuous Operation | | 2–11 |
| pH Range, Cleaning | | 1–13 |
| Maximum Feed Water Turbidity | NTU | 1.0 |
| Maximum Feed Water $SDI_{15}$ | | 5.0 |
| Maximum Feed Flow | gpm ($m^3$/h) | 75 (17) |
| Maximum Pressure Drop (ΔP) for Each Element | psi (bar) | 15 (1.0) |

These operating specifications are for general use. For specific applications, operation at more conservative values may ensure better performance and extended membrane life. See NanoH2O Technical Bulletins for more details.

The product performance is expressly conditioned on Buyer's storing, installing, operating, and maintaining Product in accordance with industry-accepted good practices and Seller's written instructions provided in the Seller's Technical Manual may be viewed and downloaded at www.nanoh2owater.com
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