Nano H2O™


## Features

- Intrinsic anti-fouling membrane property
- High salt rejection

## Benefits

- High permeate water quality
- Reduced cleaning frequency, chemical use, and membrane replacements
- Reduced energy consumption and total cost of plant ownership

## Ideal Applications

- Industrial process water
- Municipal drinking water
- Water reuse
- ZLD/MLD

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

Product Data Sheet

# LG BW 400 AFR

Anti-fouling brackish water RO membrane with high salt rejection

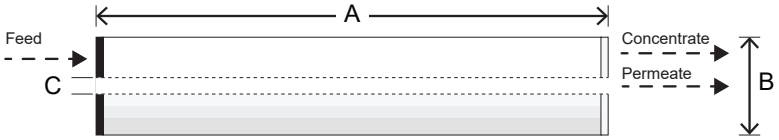
### Performance Specifications

| Specification | Unit | Test Condition A | Test Condition B |
|---|---|---|---|
| Permeate Flow Rate | GPD (m³/d) | 10,500 (39.7) | 11,000 (41.6) |
| Stabilized Salt Rejection | % | 99.6 | 99.65 |
| Minimum Salt Rejection | % | 99.5 | 99.56 |
| Active Membrane Area | ft² (m²) | 400 (37) | |
| Feed Spacer Thickness | mil | 34 | |

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 +25/−15%

### Dimensions and Weight




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

### Operating Specifications

| Item | 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 | | 2–12 |
| Maximum Feed Water Turbidity | NTU | 1.0 |
| Maximum Feed Water $SDI_{15}$ | | 5.0 |
| Maximum Feed Flow | gpm (m³/h) | 75 (17) |
| Maximum Pressure Drop (ΔP) for Each Element | psi (bar) | 15 (1.0) |





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www.lgwatersolutions.com