

## Key Features

- Highest permeate flow rate
- Optimized membrane surface hydraulics
- Reduced differential pressure
- Good fouling resistance for low to medium salinity brackish water sources

## Main Benefits

- MOST Energy-savings
- Reduced cleaning frequency, chemical use, and membrane replacements
- Reduced energy consumption and total cost of plant ownership

## Ideal Applications

- Municipal drinking water
- Water reuse



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

LG MOST is a suite of RO membrane products from LG Water Solutions that delivers unparalleled productivity and maximizes Energy-savings

## Product Data Sheet

# LG BW MOST

Highest flow brackish water RO membrane for the MOST energy savings

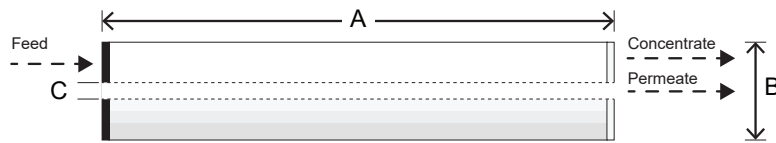
### Performance Specifications

| Specification               | Unit                              | Test Condition A | Test Condition B |
|-----------------------------|-----------------------------------|------------------|------------------|
| Permeate Flow Rate          | GPD (m <sup>3</sup> /d)           | 13,200 (49.9)    | 13,000 (49.2)    |
| Stabilized Salt Rejection   | %                                 | 98.5             | 99.1             |
| Minimum Salt Rejection      | %                                 | 97.0             | 98.2             |
| Active Membrane Area        | ft <sup>2</sup> (m <sup>2</sup> ) | 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, 125 psi (8.6 bar), 25°C (77°F), pH 7, Recovery 15%
- **Test Condition B (referential only):** 500 ppm NaCl, 100 psi (6.9 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by -20%

### 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                        |                         | 2-11       |
| pH Range, Continuous Operation              |                         | 2-12       |
| Maximum Feed Water Turbidity                | NTU                     | 1.0        |
| Maximum Feed Water SDI <sub>15</sub>        |                         | 5.0        |
| Maximum Feed Flow                           | gpm (m <sup>3</sup> /h) | 75 (17)    |
| Maximum Pressure Drop (ΔP) for Each Element | psi (bar)               | 15 (1.0)   |

The Membrane Elements 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, which consists of LG Chem, Ltd Technical Service Bulletins ("TSB") and Technical Applications Bulletins ("TAB") and may be viewed and downloaded at [www.lgwatersolutions.com](http://www.lgwatersolutions.com). The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. LG Chem assumes no liability for results obtained or damages incurred through the application of the information contained

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