

# Data Sheet



## Brackish Water Reverse Osmosis (RO) Membranes

### LG BW 400 R G2

Anti-Fouling, Superior Rejection, High Flow, High Durability  
Equipped with fouling tolerant low dP spacer technology

## Overview

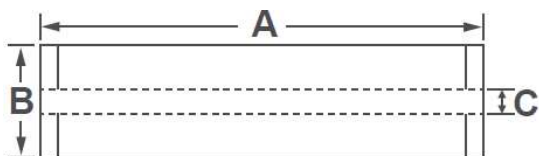
LG Chem's NanoH<sub>2</sub>O™ brackish water RO membranes serve various municipal and industrial applications and have been operating in the major utilities around the world. Incorporating innovative Thin Film Nanocomposite (TFN) technology, all LG BWRO membranes provide superior performance along with intrinsic anti-fouling property and are suitable for applications where consistent and reliable performance is a must.

LG BW 400 R G2 membranes offer a combination of enhanced fouling resistance, high rejection, flow, durability and reduce total cost of ownership: suitable for high salinity brackish water and wastewater reuse applications with a challenging feed water. LG BW 400 R G2 membranes incorporate state-of-art feed spacer technology, which can greatly reduce differential pressure and cleaning frequency.

## Product Specifications

| Active Membrane Area, ft <sup>2</sup> (m <sup>2</sup> ) | Permeate flow rate, GPD (m <sup>3</sup> /d) | Stabilized Salt Rejection, % | Minimum Salt Rejection, % | Feed Spacer, mil |
|---------------------------------------------------------|---------------------------------------------|------------------------------|---------------------------|------------------|
| 400 (37)                                                | 11,500 (43.5)                               | 99.78                        | 99.65                     | 34, low dP       |

Test Conditions : 2,000 ppm NaCl at 25°C (77°F), 225 psi (15.5 bar), pH 7, Recovery 15%.  
Permeate flows for individual elements may vary +/-15%.



| A, mm (in.) | B, mm (in.) | C, mm (in.)  | Weight, kg (lbs.) |
|-------------|-------------|--------------|-------------------|
| 1,016 (40)  | 200 (7.9)   | 28.6 (1.125) | 16 (35)           |

All dimensional information is indicative and for reference purpose only. Please contact LG Chem for detailed technical specification.

## Operating Specifications

For more information and operating guidelines, visit [www.lgwatersolutions.com](http://www.lgwatersolutions.com)

|                                          |                               |
|------------------------------------------|-------------------------------|
| Max. Applied pressure                    | 600 psi (41 bar)              |
| Max. Chlorine concentration              | < 0.1 ppm                     |
| Max. Operating temperature               | 45°C (113°F)                  |
| pH Range, Continuous (Cleaning)          | 2-11 (1-13)                   |
| Max. Feedwater turbidity                 | 1.0 NTU                       |
| Max. Feedwater SDI (15 mins)             | 5.0                           |
| Max. Feed flow                           | 75 gpm (17 m <sup>3</sup> /h) |
| Max. Pressure drop (ΔP) for each element | 15 psi (1.0 bar)              |

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