LG Chem

LG Water Solutions

Data Sheet

Brackish Water Reverse Osmosis (RO) Membranes

LG BW 400 R

High Rejection

Overview

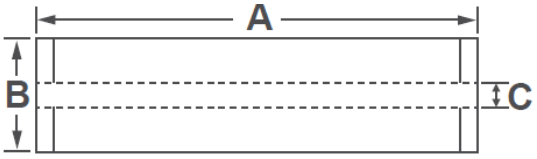
LG Chem's NanoH_2O™ brackish water RO membranes serve various municipal and industrial applications and have been operating in the major utilities around the world. Incorporating innovative Thin Film Nanocomposite (TFN) technology, all LG BWRO membranes provide superior performance along with intrinsic anti-fouling property and are suitable for applications where consistent and reliable performance is a must.

LG BW R membranes offer a combination of high rejection and reliability: suitable for high salinity brackish water and wastewater reuse applications.

Product Specifications

Active Membrane Area, ft² (m²)	Permeate flow rate, GPD (m³/d)	Stabilized Salt Rejection, %	Minimum Salt Rejection, %	Feed Spacer, mil
400 (37)	10,500 (39.7)	99.6	99.5	34

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

Max. Applied pressure	600 psi (41 bar)
Max. Chlorine concentration	< 0.1 ppm
Max. Operating temperature	45℃ (113℉)
pH Range, Continuous (Cleaning)	2-11 (2-12)
Max. Feedwater turbidity	1.0 NTU
Max. Feedwater SDI (15 mins)	5.0
Max. Feed flow	75 gpm (17 m^3/h)
Max. Pressure drop (ΔP) for each element	15 psi (1.0 bar)

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