LG Water Solutions

Data Sheet

LG Chem



Brackish Water Reverse Osmosis (RO) Membranes

LG BW 4040 AFR

Overview

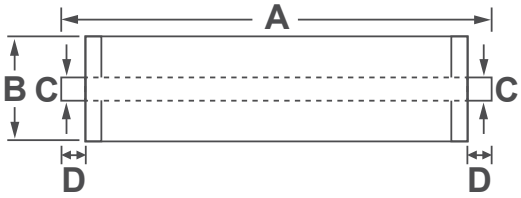
LG Chem's NanoH_2O™ brackish water RO membranes serve various municipal and industrial applications. LG BWRO, all incorporated with innovative Thin Film Nanocomposite (TFN) technology, is offered in industry standard configuration easily fit into existing or new RO plants. Global clients in more than 50 countries have already experienced LG BWRO and superior quality and performance of the membranes lead to repeat customers.

LG BW AFR(Anti Fouling) membranes offer a combination of high productivity, consistency, and durability with improved fouling resistance; suitable for challenging brackish water and water reuse applications.

Product Specifications

Active Membrane Area ft² (m^2)	Permeate Flow Rate GPD (m^3/d)	Stabilized Salt Rejection (%)	Minimum Salt Rejection (%)	Feed Spacer (mil)
75 (7.0)	2,300 (8.7)	99.6	99.3	34

Test Conditions : 2,000ppm NaCl @ 25°C(77°F), 225psi (15.5bar), pH 7, Recovery 15%. Permeate flows for individual elements may vary +/- 20%.



A mm (in.)	B mm (in.)	C mm (in.)	D mm (in.)	Weight kg (lbs.)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	4.0 (8.8)

Operating Specifications

For more information and operating guidelines, visit www.LGwatersolutions.com

Max. Applied pressure	600psi (41bar)
Max. Chlorine concentration	< 0.1 ppm
Max. Operating temperature	45°C (113°F)
pH Range, Continuous (Cleaning)	2-11 (2-12)
Max. Feedwater turbidity	1.0 NTU
Max. Feedwater SDI (15 mins)	5.0
Max. Feed flow	16gpm (3.6m^3/h)
Max. Pressure drop (ΔP) for each element	15psi (1.0bar)

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Rev. J (07.10)

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