LG Water Solutions

Anti-Fouling

LG Chem

Brackish Water Reverse Osmosis (RO) Element

LG BW 4040 AFR

Overview

LG Chem's anti-fouling (AF) brackish water NanoH$_2$O™ RO membranes feature proprietary chemistry that reduces performance deterioration due to organic and biological fouling. Even with higher-fouling feed water, LG Chem's unique AF formulation maintains membrane stability and performance without compromising the highly permeable nature of the membrane's surface.

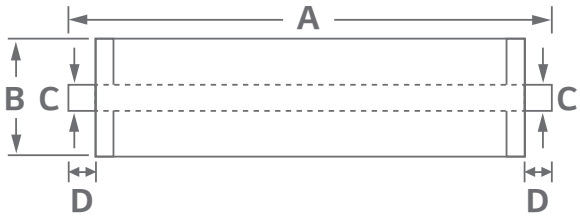
- High rejection membrane that delivers superior water quality
- Excellent fouling resistance
- Well suited for low quality feed water across varying operating conditions

Product Specifications

* 4-inch spiral wound membrane

Flow rate m³/d (GPD)	Minimum NaCl rejection (%)	NaCl rejection (%)	Active area m² (ft²)	Feed spacer (mil)
8.7 (2,300)	99.3	99.6	7 (75)	34

Note:he above values are normalized to the following conditions: 2,000 ppm NaCl, 15.5 bar (225 psi), 25°C (77°F), pH 6.5 - 7.0, 15% recovery. Permeate flows for individual elements may vary +/- 20%.



Length A	Element O.D B	Core tube I.D C	Core tube Extension D	Weight kg (lbs.)
1,016 mm (40 in.)	100 mm (3.9 in.)	19 mm (0.75 in.)	27 mm (1.05 in.)	3.6 (8.0)

Operating Specifications

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

Max. Operating pressure:	41 bar (600 psig)
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:	3.6 m³/h (16 GPM)

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NanoH$_2$O™