High Rejection
Anti-Fouling Reverse Osmosis (RO) Element
LG BW 400 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.

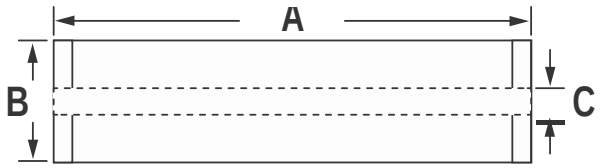
- High rejection membrane that delivers superior water quality
- Excellent fouling resistance
- Well suited for low quality feed water across varying operating conditions

Product Specifications

Configuration: 8-inch spiral wound
Membrane Polymer: Thin-film nanocomposite (TFN) polyamide

Product Number	Permeate flow rate m³/d (gpd)	Minimum NaCl Rejection %	Stabilized NaCl Rejection %	Active Membrane Area m² (ft²)	Feed Spacer mil
LG BW 400 AFR	39.7 (10,500)	99.5	99.6	37 (400)	34

Note: The above values are normalized to the following conditions: 2,000 ppm NaCl, 15.5 bar (225 psi), 25°C (77°F), pH 8, 15% recovery. Permeate flows for individual elements may vary +/- 15%.



Part Number	Length A	Element O.D. B	Perm Tube I.D. C	Weight kg (lbs.)
LG BW 400 AFR	1016 mm (40 in.)	200 mm (7.9 in.)	28.6 mm (1.125 in.)	16.4 (36)

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:	19 m³/h (85 GPM)
Max. Pressure Drop:	1.0 bar (15 psig)

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