

Anti-Fouling



Brackish Water Reverse Osmosis (RO) Element LG BW 4040 AFR



Overview

LG Chem's anti-fouling (AF) brackish water NanoH₂O™ 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.

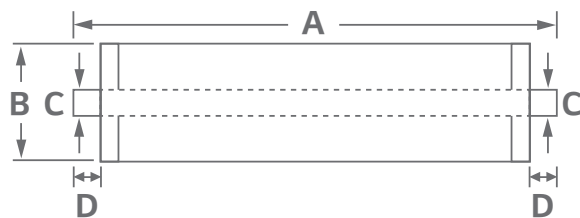
- High rejection membrane that delivers superior water quality
- Excellent fouling resistance
- Well suited for low quality feed water across varying operating conditions

Product Specifications

* 4-inch spiral wound membrane

Flow rate m ³ /d (GPD)	Minimum NaCl rejection (%)	NaCl rejection (%)	Active area m ² (ft ²)	Feed spacer (mil)
8.7 (2,300)	99.3	99.6	7 (75)	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 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 m ³ /h (16 GPM)

The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. LG NanoH₂O assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. LG NanoH₂O is a wholly owned company of LG Chem, Ltd. All rights reserved. © 2017 LG NanoH₂O, Inc.

LENNTECH

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289

Rev. I (02.17)

NanoH₂O™

