

High Rejection



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



Overview

LG Chem's NanoH₂O™ brackish water RO membranes lower water treatment costs by improving energy efficiency and productivity. These thin-film nanocomposite (TFN) membranes feature benign nanomaterials incorporated into the thin-film polyamide layer of a composite membrane. This innovative patented technology significantly increases membrane permeability while offering superior salt rejection.

- Matches industry-standard flux and rejection

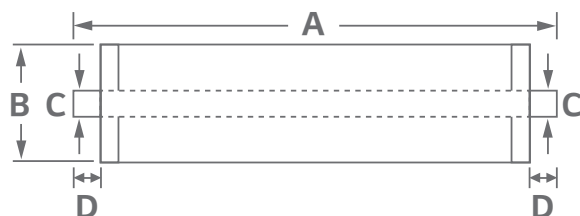
- Easy to retrofit existing systems

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)
9.5 (2,500)	99.3	99.6	7.9 (85)	28

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

Rev. I (02.17)

NanoH₂O™

