

Data Sheet



Brackish Water Reverse Osmosis (RO) Membranes

LG BW 440 R Dura

High Rejection, High Durability

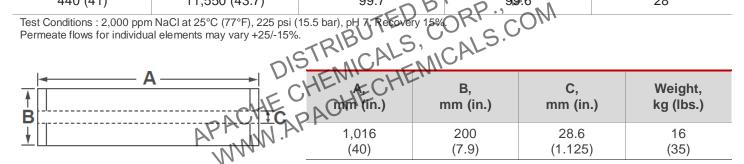
Overview

LG Chem's NanoH₂O™ brackish water RO membranes serve various municipal and industrial applications and have been operating in the major utilities around the world. Incorporating innovative Thin Film Nanocomposite (TFN) technology, all LG BWRO membranes provide superior performance along with intrinsic anti-fouling property and are suitable for applications where consistent and reliable performance is a must.

LG BW R Dura membranes offer a combination of high rejection and durability and provide extended product life even under harsh cleaning conditions: suitable for high salinity brackish water and wastewater reuse with challenging feed water conditions.

Product Specifications

Active Membrane	Permeate flow rate, GPD (m³/d)	Stabilized Salt	Minimum Salt	Feed Spacer,
Area, ft² (m²)		Rejection, %	Rejection, %	mil
440 (41)	11,550 (43.7)	99.7 B	99.6	28



Operating Specifications

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

Max. Applied pressure	600 psi (41 bar)	
Max. Chlorine concentration	< 0.1 ppm	
Max. Operating temperature	45°C (113°F)	
pH Range, Continuous (Cleaning)	2-11 (1-13)	
Max. Feedwater turbidity	1.0 NTU	
Max. Feedwater SDI (15 mins)	5.0	
Max. Feed flow	75 gpm (17 m ³ /h)	
Max. Pressure drop (ΔP) for each element	15 psi (1.0 bar)	

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 Chem 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. NanoH2O is the Trademark of The LG Water Solutions or an affiliated company of LG Chem. All rights reserved. © LG Chem, Ltd.