High Rejection
Brackish Water Reverse Osmosis (RO) Element
LG BW 400 R++

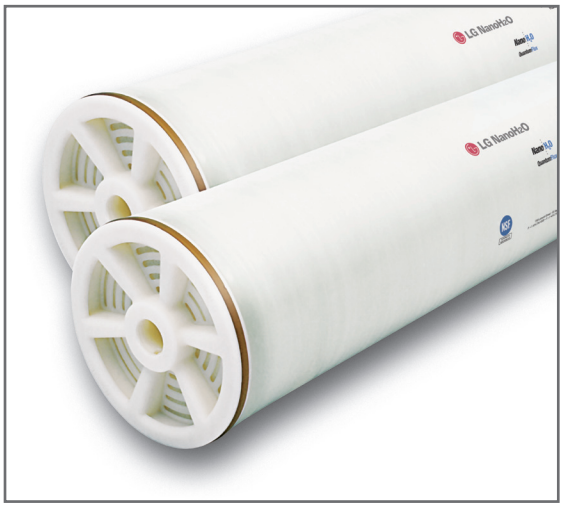
LG NanoH2O

Overview

LG NanoH2O's 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 and patent-pending technology significantly increases membrane permeability while offering superior salt rejection.

- Higher than industry-standard salt rejection
- Best-in-class flux
- Well suited for high quality permeate requirements or second-pass systems

NEW Anti-telescoping device with raised lip and bi-directional seal for easy element loading and removal

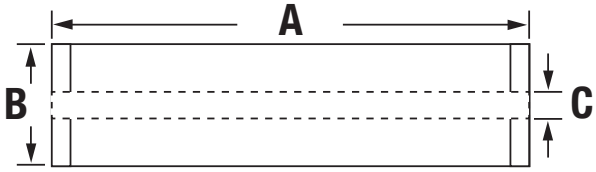


Product Specifications

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 R++	53 (14,000)	99.55	99.75	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 R++	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.lg-nanoh2o.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)

NanoH2O

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