

LG BW 400 ES L

Energy-Saving BWRO membrane equipped with fouling tolerant low dP spacer technology

LOWER

- Differential Pressure
- Fouling Rate
- Total Cost of Plant Ownership



LG BW 400 ES L — LG Chem's latest brackish water reverse osmosis (RO) membrane element uses the proven energy-saving ES membrane and incorporates a unique feed spacer technology for reducing differential pressure.

The result? Lower fouling, cleaning frequency, chemical use, and energy consumption for improved plant efficiency and uptime.

Novel Low dP Feed Spacer



Streamlined water flow for minimized pressure losses

Enhanced Fouling Resistance



Reduced CIP's with consistent high performance

Optimized Cost-Performance



Lower plant downtime for CAPEX & OPEX savings

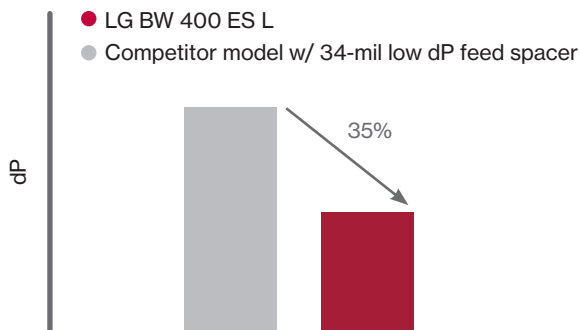
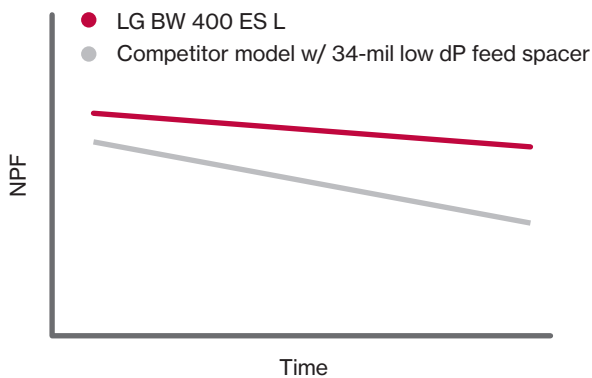
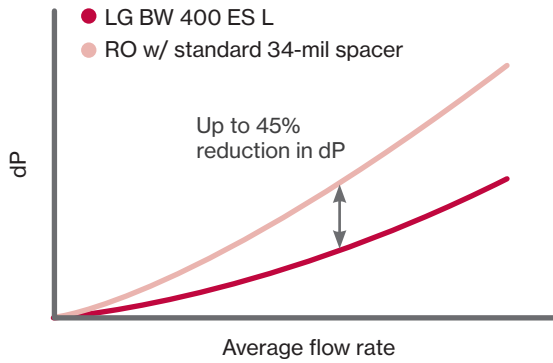


RO Performance

10,500 GPD (39.7 m³/d) permeate flow rate and 99.6% stabilized NaCl rejection
 2,000 ppm NaCl, 150 psi (10.3 bar) feed pressure, 400 ft² membrane area

LG Chem's exclusive Thin-film Nanocomposite (TFN) technology is incorporated in all LG NanoH2O™ RO membranes for outstanding performance

Key Benefits



The L Spacer combined with LG Chem's Energy-Saving ES membrane delivers the following key benefits

Up to 45% reduction in differential pressure (dP) at typical flow rates

Improved fouling resistance results in a 50% lower NPF* decrease rate minimizing cleaning frequencies, chemical use, and plant downtime

*NPF = Normalized Permeate Flow

Up to 35% lower pressure loss provides energy savings

LG BW 400 ES L is ideal for treating feed water with low to medium salinity and fouling potential. Example applications include:

Municipal Wastewater Reuse

Industrial Wastewater Reuse

Municipal Potable Water

Industrial Process Water:

- Deionized Water
- Boiler Feed Water
- Ultra Pure Water

[Click to download product datasheet](#)



www.lgwatersolutions.com

Please visit our website for regional contact information or email us at waterinfo@lgchem.com



The information 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 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 LG Chem. All rights reserved. © LG Chem, Ltd.

Nano:H₂O™