LG Chem

Product Fact Sheet
LG Water Solutions

LG BW 400 R G2

Highest rejection BWRO membrane equipped with fouling tolerant low dP spacer technology

Delivering Peak Performance with Excellent Anti-Fouling Properties

LG BW 400 R G2 with durable membrane chemistry for long-term stable performance delivers the highest salt rejection and productivity among LG NanoH_2O™ brackish water RO membranes. The RO element incorporates a unique proprietary feed spacer for reducing differential pressure.

The result is an advanced RO membrane element delivering unparalleled performance, especially treating challenging feed water sources, and reduced total cost of plant ownership.

Excellent RO System Efficiency

Higher permeate quality at same feed pressure

Lowest Cleaning Demand

Fewer cleaning frequencies for increased OPEX savings

Novel Low dP Feed Spacer

Streamlined water flow for minimized pressure losses

RO Performance

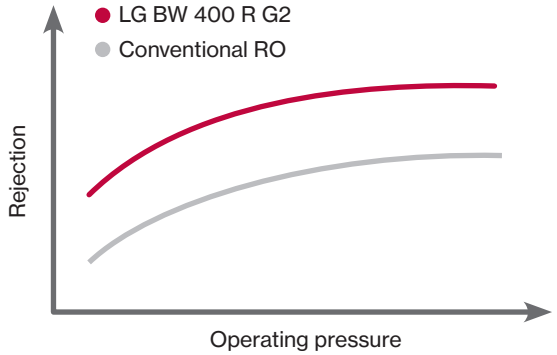
11,500 GPD (43.5 m³/d) permeate flow rate and 99.78% stabilized NaCl rejection

2,000 ppm NaCl, 225 psi (15.5 bar) feed pressure, 400 ft² membrane area

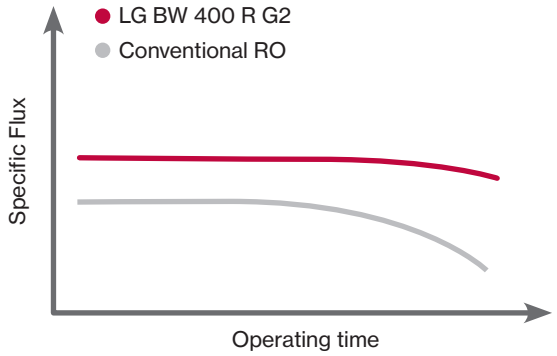
LG Chem's exclusive Thin-film Nanocomposite (TFN) technology is incorporated in all LG NanoH2O™ RO membranes for outstanding performance

Key Benefits

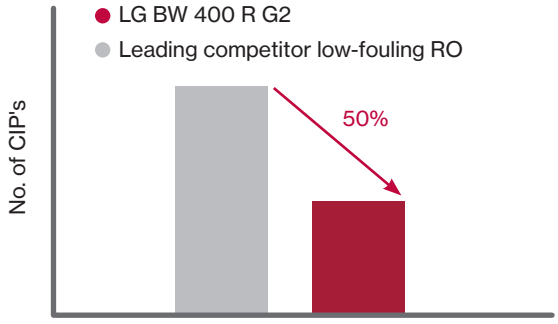
The L Spacer combined with LG Chem's High Performance R G2 membrane delivers the following key benefits



Higher permeate quality without the need to increase operating pressure



Lower flux decline over time indicating better fouling resistance



Up to 50% less CIP frequency and excellent recovery after cleanings resulting in low chemical use and plant downtime

LG BW 400 R G2 is ideal for treating feed water with medium to high salinity and fouling potential. Example applications include:

Municipal Wastewater Reuse
Industrial Wastewater Reuse
Zero/Minimal Liquid Discharge (ZLD/MLD)

Industrial Process Water:
- Deionized Water
- Boiler Feed Water
- Ultra Pure Water

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NanoH2O™