

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 NanoH₂O™ 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



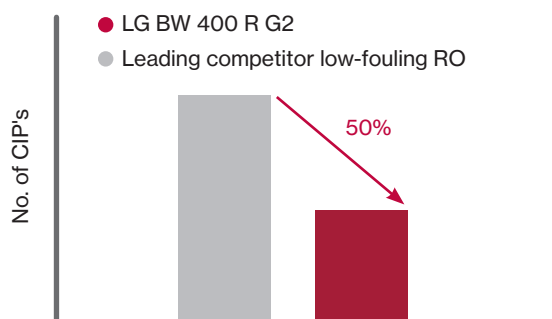
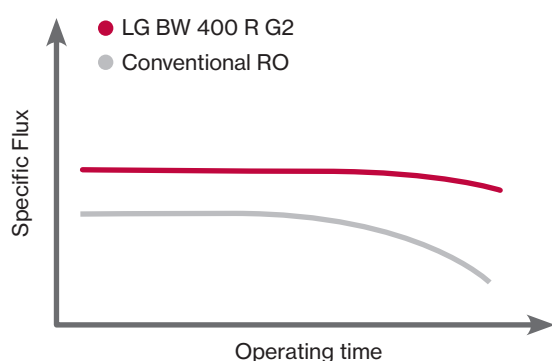
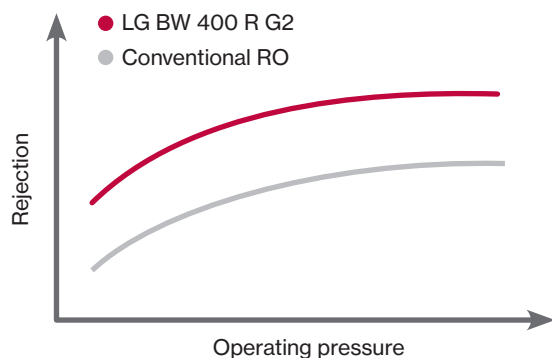
RO Performance

**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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