

Top Performing LG Antifouling BWRO Product Portfolio

- Equipped with fouling tolerant low dP spacer technology
- Reduced cleaning frequency
- Expanded membrane life span
- LG BW 400 R G2, LG BW 400 AFR G2 and LG BW 400 R Dura

Differential pressure (dP) in reverse osmosis (RO) membrane systems is one of the key performance indicators of the system operation that determines the level of membrane fouling and the necessity of chemical cleaning. In particular in wastewater reuse RO membrane systems, the feed wastewater has a high potential to foul the membranes, leading to increase of dP. Higher dP raises the energy cost of operating the system and can even cause damage to the membranes. It means it is important to reduce dP in RO membrane systems with high system flux in energy-saving applications.

LG Antifouling BWRO product portfolio addresses this problem by adopting a new feed spacer design along with our intrinsic anti-fouling technology. LG BW 400 R G2, LG BW 400 AFR G2 and LG BW 400 R Dura enable lower dP by resisting fouling and therefore prolong the cycle of chemical cleaning.

Products	Active Membrane Area, ft ²	Permeate Flow Rate, GPD	Stabilized Salt Rejection, %	Feed Spacer, mil
LG BW 400 R G2	400	11,500	99.78	34, low dP
LG BW 400 AFR G2	400	11,500	99.70	34, low dP
LG BW 400 R Dura	400	10,500	99.70	34, low dP

Test Conditions : 2,000 ppm NaCl at 25°C (77°F), 225 psi (15.5 bar), pH 7, Recovery 15%.

