

Superior Quality Leads to Repeat Customers



Brackish Water Reverse Osmosis (RO) Membranes



Overview

LG Chem's NanoH₂O™ brackish water RO membranes serve various municipal and industrial applications and have been operating in the major utilities around the world. Incorporating innovative Thin Film Nanocomposite (TFN) technology, all LG BWRO membranes provide superior performance along with intrinsic anti-fouling property and are suitable for applications where consistent and reliable performance is a must.

LG BW AFR G2

Anti-Fouling, High Rejection, High Flow, High Durability

LG BW AFR

Anti-Fouling, High Rejection

LG BW R G2

Superior Rejection, High Flow, High Durability

LG BW ES

Energy Saving

LG BW R Dura

High Rejection, High Durability

LG BW UES

Ultra Low Energy

LG BW R

High Rejection

LG BWRO Membranes

Product		Active Membrane Area, ft ² (m ²)	Permeate Flow Rate, GPD (m ³ /d)	Stabilized Salt Rejection, %	Minimum Salt Rejection, %	Feed Spacer, mil	Test Pressure, psi (bar)
High Rejection Standard	LG BW 440 R G2	440 (41)	12,650 (47.9)	99.78	99.65	28	225 (15.5)
	LG BW 440 R Dura	440 (41)	11,550 (43.7)	99.70	99.60	28	
	LG BW 440 R	440 (41)	11,550 (43.7)	99.60	99.50	28	
	LG BW 400 R	400 (37)	10,500 (39.7)	99.60	99.50	34	
High Rejection Anti-fouling	LG BW 400 R G2	400 (37)	11,500 (43.5)	99.78	99.65	34, low dP	
	LG BW 400 AFR G2	400 (37)	11,500 (43.5)	99.70	99.60	34, low dP	
	LG BW 400 R Dura	400 (37)	10,500 (39.7)	99.70	99.60	34, low dP	
	LG BW 400 AFR	400 (37)	10,500 (39.7)	99.60	99.50	34	
Low Pressure Standard	LG BW 440 ES	440 (41)	11,550 (43.7)	99.60	99.50	28	150 (10.3)
	LG BW 400 ES	400 (37)	10,500 (39.7)	99.60	99.50	34	
Ultra Low Pressure	LG BW 440 UES	440 (41)	12,650 (47.9)	99.00	98.00	28	125 (8.6)
	LG BW 400 UES	400 (37)	11,500 (43.5)	99.00	98.00	34	

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

Light Commercial RO Membranes

Product		Active Membrane Area, ft ² (m ²)	Permeate Flow Rate, GPD (m ³ /d)	Stabilized Salt Rejection, %	Minimum Salt Rejection, %	Feed Spacer, mil	Recovery, %	Test Pressure, psi (bar)
High Rejection ¹	LG BW 4040 R	85 (7.9)	2,500 (9.5)	99.6	99.3	28	15	225 (15.5)
	LG BW 4021 R	34 (3.2)	1,000 (3.8)	99.6	99.3	28	8	
	LG BW 2521 R	9 (0.9)	345 (1.3)	99.6	99.3	28	8	
Low Pressure ¹	LG BW 4040 ES	85 (7.9)	2,500 (9.5)	99.5	99.2	28	15	150 (10.3)
	LG BW 4021 ES	34 (3.2)	1,000 (3.8)	99.5	99.2	28	8	
	LG BW 2521 ES	9 (0.9)	345 (1.3)	99.5	99.2	28	8	
Ultra Low Pressure ²	LG CW 4040 SF*	85 (7.9)	2,900 (11.0)	99.0	98.0	28	15	100 (6.9)
	LG BW 4040 UES	85 (7.9)	2,700 (10.2)	99.0	98.0	28	15	
	LG BW 4021 UES	34 (3.2)	1,000 (3.8)	99.0	98.0	28	8	
	LG BW 2540 UES	21 (2.0)	750 (2.8)	99.0	98.0	28	15	
	LG BW 2521 UES	9 (0.9)	345 (1.3)	99.0	98.0	28	8	

Test conditions¹: 2,000 ppm NaCl at 25°C (77°F), pH 7

Test conditions²: 500 ppm NaCl at 25°C (77°F), pH 7

*Dry type