Product Fact Sheet

MOST Maximized OPEX Saving Technology

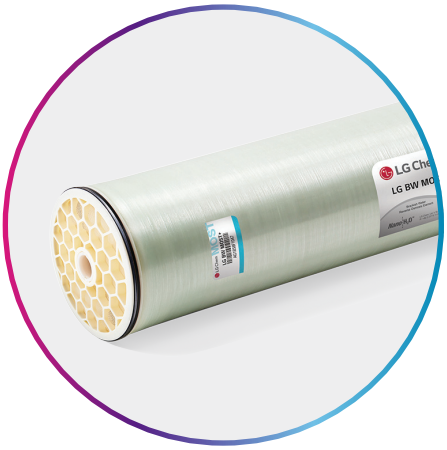
LG MOST is a suite of RO membrane products from LG Water Solutions that delivers unparalleled productivity and maximizes energy savings

LG BW MOST / MOST+

The highest flow BWRO membrane for the MOST energy savings

Developed from LG Chem's breakthrough thin-film nanocomposite (TFN) technology, LG BW MOST / MOST+ feature the industry's highest flow BWRO membrane. The RO elements also incorporate a proprietary low dP feed spacer technology designed to optimize membrane surface hydraulics. The results are ultra-low feed pressures that are unrivaled in the industry.

LG BW MOST / MOST+ dramatically improve system productivity or reduce energy consumption for significant savings in the total cost of plant ownership. Maximize Plant Uptime with LG BW MOST / MOST+.



Core Features

Membrane
Highest Flow BWRO

Feed spacer
Low dP

Performance Specifications

Model	Permeate flow rate	Stabilized salt rejection	Active membrane area
LG BW MOST	**13,200 GPD (49.9 m³/d)** [1] **13,000 GPD (49.2 m³/d)** [2]	**98.5%** [1] **99.1%** [2]	**400 ft² (37 m²)** **34 mil low dP feed spacer**
LG BW MOST+	**14,500 GPD (54.9 m³/d)** [1] **14,300 GPD (54.1 m³/d)** [2]	**98.5%** [1] **99.1%** [2]	**440 ft² (41 m²)** **28 mil low dP feed spacer**

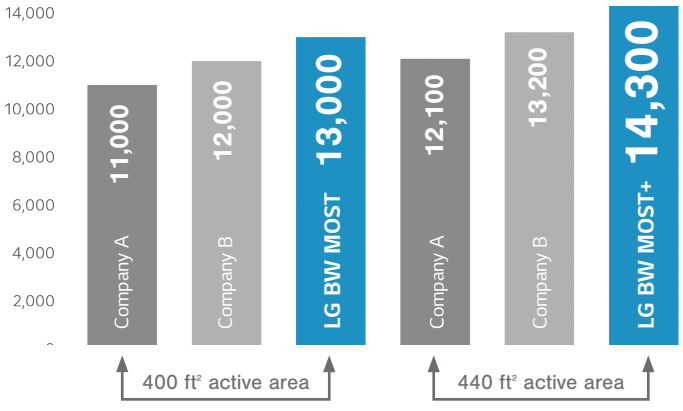
Test condition 1: 2,000 ppm NaCl, 125 psi (8.6 bar) feed pressure, 15% recovery, pH 7
Test condition 2: 500 ppm NaCl, 100 psi (6.9 bar) feed pressure, 15% recovery, pH 7

Value Proposition of LG BW MOST / MOST+

LG BW MOST / MOST+ incorporate the industry's highest flow BWRO membrane (see Graph A) and a low dP feed spacer, resulting in ultra-low feed pressures and the MOST energy savings for maximized OPEX savings.

Graph A: Permeate flow rate comparison (GPD)

Test conditions: 500 ppm NaCl, 100 psi (6.9 bar) feed pressure,15% recovery, pH 7



Nano H2O™