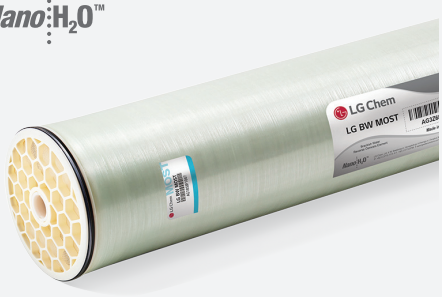
LG Water Solutions

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 Chem

Nano H_2O™



Product Data Sheet

LG BW MOST

Highest flow brackish water RO membrane for the MOST energy savings

Key Features

- Highest permeate flow rate
- Optimized membrane surface hydraulics
- Reduced differential pressure
- Good fouling resistance for low to medium salinity brackish water sources

Main Benefits

- MOST Energy-savings
- Reduced cleaning frequency, chemical use, and membrane replacements
- Reduced energy consumption and total cost of plant ownership

Ideal Applications

- Municipal drinking water
- Water reuse

NSF This product is certified to NSF/ANSI/CAN Standard 61 for drinking water systems

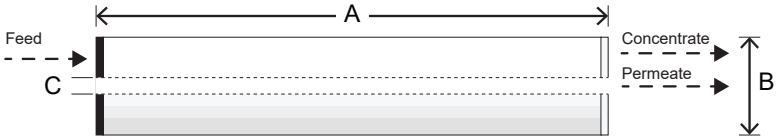
Performance Specifications

Specification	Unit	Test Condition A	Test Condition B
Permeate Flow Rate	GPD (m^3/d)	13,200 (49.9)	13,000 (49.2)
Stabilized Salt Rejection	%	98.5	99.1
Minimum Salt Rejection	%	97.0	98.2
Active Membrane Area	ft^2 (m^2)	400 (37)	
Feed Spacer Thickness, Type	mil	34, low dP	

The specifications outlined above are normalized performances based on the following test conditions:

- **Test Condition A:** 2,000 ppm NaCl, 125 psi (8.6 bar), 25°C (77°F), pH 7, Recovery 15%
- **Test Condition B (referential only):** 500 ppm NaCl, 100 psi (6.9 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by -20%

Dimensions and Weight



Dimensions: mm (in)			Wet Weight: kg (lbs)
A	B	C	
Element Length	Element O.D.	Core Tube I.D.	16 (35)
1,016 (40)	200 (7.9)	28.6 (1.125)	

Operating Specifications

Item	Unit	Value
Maximum Applied Pressure	psi (bar)	600 (41.3)
Maximum Chlorine Concentration	ppm	< 0.1
Maximum Operating Temperature	°C (°F)	45 (113)
pH Range, Continuous		2–11
pH Range, Continuous Operation		2–12
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI_{15}		5.0
Maximum Feed Flow	gpm (m^3/h)	75 (17)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

Please visit our website for regional contact information
www.lgwatersolutions.com

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