



## Key Features

- Highest salt rejection
- Optimized membrane surface hydraulics
- Significantly reduced differential pressure
- Excellent fouling resistance
- Excellent durability

## Main Benefits

- Best permeate water quality
- Reduced cleaning frequency, chemical use, membrane replacements
- Stable performance recovery after cleanings
- Reduced energy consumption and total cost of plant ownership

## Ideal Applications

- Industrial process water
- Municipal drinking water
- Water reuse
- ZLD/MLD



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



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## Product Data Sheet

# LG MaxRO R

Highest rejection brackish water RO membrane with an innovative 36 mil ultra-low dP (ULD) feed spacer technology

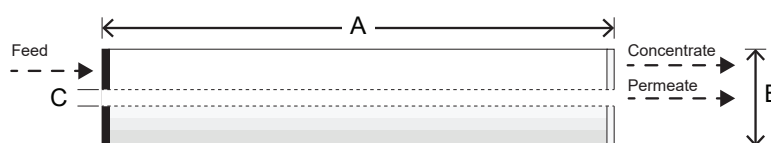
## Performance Specifications

Specification	Unit	Test Condition A	Test Condition B
Permeate Flow Rate	GPD (m³/d)	11,500 (43.5)	12,000 (45.4)
Stabilized Salt Rejection	%	99.8	99.82
Minimum Salt Rejection	%	99.5	99.56
Active Membrane Area	ft² (m²)	400 (37)	
Feed Spacer Thickness, Type	mil	36, ultra-low dP (ULD)	

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

- **Test Condition A:** 2,000 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- **Test Condition B (referential only):** 1,500 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by ±15%.

## 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

Specification	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 Operation		2–11
pH Range, Cleaning		1–13
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI <sub>15</sub>		5.0
Maximum Feed Flow	gpm (m³/h)	75 (17)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

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