

Nano:H₂O™



Key Features

- Balanced salt rejection and productivity
- High boron rejection
- Improved fouling resistance due to thicker feed spacer

Main Benefits

- A combination of excellent permeate water quality and energy efficiency
- Well-proven, long-lasting reliability

Ideal Applications

- Single and multi-pass desalination plant design

Product Data Sheet

LG SW 400 R

Seawater RO membrane with balanced salt rejection, productivity, and long-lasting reliability

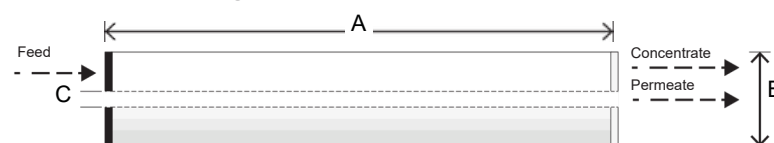
Performance Specifications

Specification	Unit	Value
Permeate Flow Rate		
Stabilized Salt Rejection	GPD (m ³ /day)	9,000 (34.1)
Minimum Salt Rejection	%	99.85
Stabilized Boron Rejection	%	99.7
Active Membrane Area	%	93
Feed Spacer Thickness	ft ² (m ²)	400 (37)
	mil	34

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

- **Test conditions:** 32,000 ppm NaCl, 5 ppm Boron, 800 psi (55.1 bar), 25 °C (77 °F), pH 8, Recovery 8%
- 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)	

All dimensional information is indicative and for reference only. Please contact LG Water Solutions for detailed technical specifications.

Operating Specifications

Specification	Unit	Value
Maximum Applied Pressure		
Maximum Chlorine Concentration	psi (bar)	1,200 (82.7)
Maximum Operating Temperature	ppm	< 0.1
pH Range, Continuous Operation	°C (°F)	45 (113)
pH Range, Cleaning		2-11
Maximum Feed Water Turbidity		2-13
Maximum Feed Water SDI ₁₅	NTU	1.0
Maximum Feed Flow		5.0
Maximum Pressure Drop (ΔP) for Each Element	gpm (m ³ /h)	75 (17)
	psi (bar)	15 (1.0)



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

Available with Your Trusted Partner for Water Treatment Solutions:

