Nano H2O™

Product Data Sheet

LG SW 4040 R

High-rejection seawater RO membrane for commercial applications

Key Features

- Balanced salt rejection and productivity

Main Benefits

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

Ideal Applications

- Small to medium sized SWRO systems
- Commercial applications

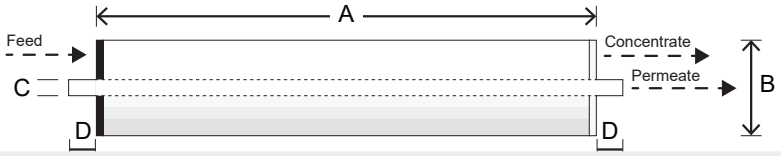
Performance Specifications

Item	Unit	Value
Permeate Flow Rate	GPD (m^3/day)	1,950 (7.4)
Stabilized Salt Rejection	%	99.7
Minimum Salt Rejection	%	99.5
Active Membrane Area	ft^2 (m^2)	80 (7.4)
Feed Spacer Thickness	mil	28

The 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 ±20%

Dimensions and Weight



Dimensions: mm (in)				Wet Weight: kg (lbs)
A	B	C	D	
Element Length	Element Width	Core Tube I.D.	Core Tube Ext.	4.2 kg (9.3 lbs)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	

Operating Specifications

Item	Unit	Value
Maximum Applied Pressure	psi (bar)	1,200 (82.7)
Maximum Chlorine Concentration	ppm	< 0.1
Maximum Operating Temperature	°C (°F)	45 (113)
pH Range, Continuous Operation	–	2–11
pH Range, Cleaning		2–13
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI_{15}		5.0
Maximum Feed Flow	gpm (m^3/h)	15 (3.4)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

NSF

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

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