

Nano:H₂O™



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

Product Data Sheet

LG SW 4040 R

High-rejection seawater RO membrane for commercial applications

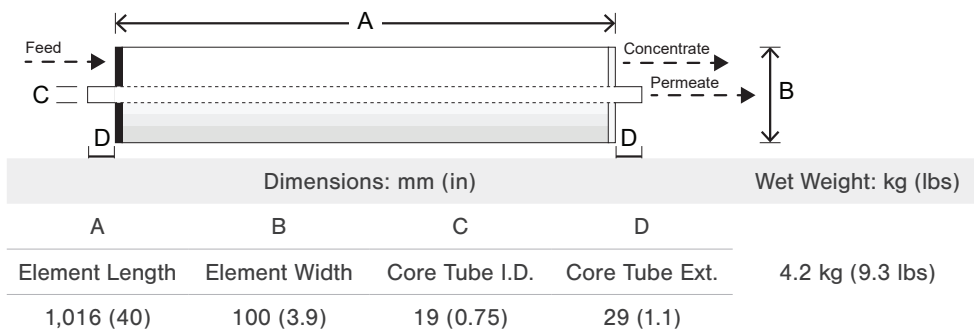
Performance Specifications

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



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)



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

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