



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

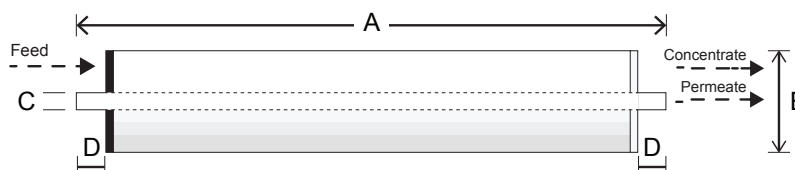
Performance Specifications

| Item | Unit | Value |
|---------------------------|-----------------------------------|-------------|
| Permeate Flow Rate | GPD (m ³ /d) | 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 | 4.2 (9.3) |
| Element Length | Element O.D. | Core Tube I.D. | Core Tube Ext. | |
| 1,016 (40) | 100 (3.9) | 19 (0.75) | 29 (1.1) | |

All dimensional information is indicative and for reference only. Please contact NanoH2O for detailed technical specifications.

Operating Specifications

| Specification | 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 | | 1–13 |
| 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) |

These operating specifications are for general use. For specific applications, operation at more conservative values may ensure better performance and extended membrane life. See NanoH2O Technical Bulletins for more details.



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

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