



SWM-2540

Sea Water Element for Small Commercial Applications

High salt rejection and flow rate for sea-based and land-based desalinators.

Typical Performance:

Permeate Flow: 600 gpd (2.3 m³/d)

Stabilized Salt Rejection: 99.7%. Dry elements achieve quick stabilization

Test Conditions: 32000 ppm NaCl solution; 800 psig (55 Bar); 25°C; 8% recovery; pH 7.5-8.0. Individual flow rate may vary $\pm 15\%$.

Configuration: Spiral Wound; Composite Polyamide

Membrane Active Area: 27 ft² (2.5 m²)

Operating and Cleaning Limits:

Maximum Operating Temperature 113°F (45°C)

Maximum Operating Pressure 1200 psi (83 Bar)

Free Chlorine Tolerance < 0.1 ppm

Maximum Feed Silt Density Index (SDI₁₅) 5.0

Maximum Feed Flow Rate 6 gpm (1.4 m³/h)

Maximum Pressure Drop 15 psig (1.0 Bar) / membrane; 50 psi (3.4 bar) / vessel

pH Range Continuous Operation 3 – 10; Short-Term Cleaning (30 min.) 1 - 13

Permeate obtained from the first hour of operation must be discarded.

Always keep elements moist after initial wetting.

All membrane elements are supplied with a brine seal.

