

KÖHLER

Reverse Osmosis Membrane Elements

SW Series

Model: KM-SW 2540-11

- **APPLICATION** Seawater desalination, desalination of brackish water with high concentration, boiler replenishment water in power plants, wastewater reuse, concentration and recovery of high value-added substances such as food and pharmaceuticals, etc.

| Model | Active Membrane Area ft ² (m ²) | Average Permeate Flow GPD(m ³ /d) | Stable Rejection Rate(%) | Feed Spacer Stable Thickness mm |
|-------------------------------|--|---|--|------------------------------------|
| KM-SW 2540-11 | 28 (2.6) | 600 (2.3) | 99.5 | 28 |
| Testing Conditions | Operating pressure 800 psi (5.52Mpa) Temperature at 25°C Tested at 32000mg/L NaCl solution pH 8 Recovery rate at 8% | | | |
| Operation Limits & Conditions | Maximum operating pressure Maximum feed water flow Maximum feed water temperature Maximum feed water flow SDI ₁₅ Allowed pH range for feed water in operation Allowed pH range for chemical cleaning | | 1200psi (8.28Mpa) 6gpm (1.4 m ³ /h) 45°C 5 2~11 1~13 | |
| | Maximum concentration of free chlorine | | <0.1ppm | |
| | Maximum pressure drop per element | | 15psi (0.1Mpa) | |

| DIMENSUONS: | Model | A | B | C | D |
|-------------|---------------|----------------------------|-------------------------|---------------------------|----------------------------|
| | KM-SW 2540-11 | inches (mm) 40.0 (1016) | inches (mm) 2.4 (61) | inches (mm) 0.75(19.1) | inches (mm) 1.19 (30.2) |

