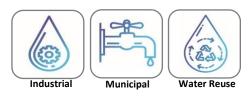
RE8040-FLR34



Fouling resistant RO element with low pressure for brackish water and wastewater reuse

- Fouling resistant
- Low Energy Consumption
- High Permeate Flow and High Rejection
- 34mil thick Feed spacer



SPECIFICATIONS •-

General Features

Permeate Flow Rate 10,000 GPD (37.9 m³/day)

Nominal Salt Rejection 99.6% (Minimum 99.5%)

Effective Membrane Area 400 ft² (37.2 m²)

Membrane Type Thin-Film Composite

Membrane Material Polyamide (PA)

Element Configuration Spiral-Wound, FRP Wrapping

Test Conditions: 1,500 mg/L NaCl solution at 150 psig (1.03 MPa) applied pressure; 15% recovery; 77 $^{\circ}$ F (25 $^{\circ}$ C); pH 6.5–7.0; Permeate flow rate for each element may vary but will be no more than -5%.

Dimensions and Weight

Model Name	А	В	С	Weight	Part Number	
					Inter-Connector	Brine Seal
RE8040-FLR34	40.0 inch (1,016 mm)	7.9 inch (200 mm)	1.125 inch (28.6 mm)	15kg	SWA01049	SWA01043



- 1. Each membrane element supplied with one interconnector (coupler) and four O-rings.
- 2. All RE8040 elements fit nominal 8.0 inch (203.2 mm) I.D. pressure vessels.

Toray Advanced Materials Korea Inc.

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APPLICATION DATA

Operating Limits

Max. Pressure Drop / Element15 psi (0.10 MPa)Max. Pressure Drop / 240" Vessel60 psi (0.41 MPa)Max. Operating Pressure600 psi (4.14 MPa)Max. Feed Flow Rate75 gpm (17.0 m³/hr)Min. Concentrate Flow Rate16 gpm (3.6 m³/hr)

Max. Operating Temperature 113°F (45°C)

Operating pH Range 2.0 – 11.0

CIP pH Range 1.0 – 13.0 Max. Turbidity 1.0 NTU

Max. SDI (15 min) 5.0

Max. Chlorine Concentration < 0.1 mg/l

GENERAL HANDLING PROCEDURES

- Elements contained in the boxes must be kept dry at room temperature (7–32°C; 40–95°F) and should not be stored in direct sunlight.
- For WET-TYPE, the preservative solution (1% sodium metabisulfite solution) is added to prohibit the growth of micro-organisms.
- Permeate from the first hour of operation should be discarded.
- Salt rejection would be stabilized within 48 hours of continuous operation depending on feedwater and operating conditions, but may take over a week for dry elements.

- Keep elements moist at all times after initial wetting.
- Avoid excessive pressure and flow spikes.
- Only use chemicals compatible with the membrane elements and components. Use of such chemicals may void the element limited warranty.
- Permeate pressure must always be equal or less than the feed/concentrate pressure. Damage caused by permeate back pressure voids the element limited warranty.
- The element shell is FRP(Fiber Reinforced Plastic). Be aware of glass fiber strands and use safety equipment.



