

Industrial Reverse Osmosis Membranes(RO Membranes)

Sea Water (High Pressure High Salinity)

SW2-8040

The Runmo® SW2-8040 membrane elements are spiral wound, composite polyamide membrane elements for Sea Water treatment. These membranes are characterized by a high operating feed pressure, normally is 800psi(5.5MPa) and result in higher salt rejection rate(especially Boron rejection≥90%), above 99.6%. These membranes are designed for sea water and high concentration of brackish water treatment applications(NaCl≤40,000ppm, Salt content≤40,000us/cm), such as the seawater desalination, the treatment of high salinity waters for various industry.....

Model	Active Membrane	Average Permeate	Stable Rejection	Min. Rejection	Spacer Net Thickness
SW2-8040	400ft ² (37.2m ²)	6,000gpd (22.7m ³ /d)	99.7%	99.6%	31mil (0.79mm)

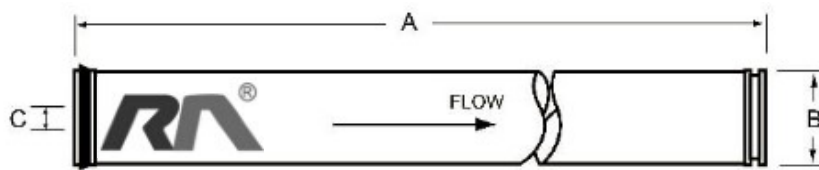
Testing Conditions	Testing Pressure	800psi (5.5MPa)	Temperature of Testing Solution	25°C
	Concentration of Testing Solution (NaCl)	32,000ppm	pH Value of Testing Solution	7.5
	Recovery Rate of Single Element	8%		

Operation Limits & conditions	Max. Feed Water Flow	75gpm (17m ³ /h)
	Max. Working Pressure	1,200psi (8.3MPa)
	Max. Feed Water Temperature	45°C
	Max. Feed Water SDI ₁₅	< 5
	pH Range of Feed Water During Continuous Operation	3~10
	pH Range of Feed Water During Chemical Cleaning	1~13
	Residual Chlorine Concentration of Feed Water	< 0.1 ppm
	Max. Pressure Drop of Single Element	15psi (0.1MPa)
	Max.Turbidity NTU	1.0

Size of Membrane Element

1.0 inch=25.4mm

8'' x 40''



A	B	C
1016 mm (40 inches)	201.9 mm (7.95 inches)	28.6 mm (1.125 inches)



MEMBRANE TECH

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