

Industrial Reverse Osmosis Membranes(RO Membranes)

Brackish Water (High Pressure)

BW-4040

The Runmo® BW-4040 membrane elements are spiral wound, composite polyamide membrane elements for Brackish Water treatment. These membranes are characterized by a high operating feed pressure, normally is 225psi(1.55MPa) and result in higher salt rejection rate(especially good for removing TOC, SiO₂, etc.), above 99.5%. These membranes are designed for industrial water treatment applications(NaCl≤10,000ppm, Salt content≤6000us/cm), such as the treatment of brackish and high salinity waters for Electronic factories, Electric Power plants, Petrochemical industry, Coal chemical industry.

Model	Active Membrane	Average Permeate	Stable Rejection	Min. Rejection	Spacer Net Thickness
BW-4040	78ft² (7.2m²)	2,500gpd (9.5m³/d)	99.5%	99.3%	29mil (0.73mm)

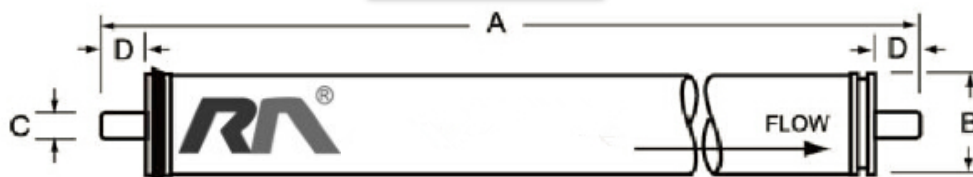
Testing Conditions	Testing Pressure	225psi (1.55MPa)	Temperature of Testing Solution	25°C
	Concentration of Testing Solution (NaCl)	2,000ppm	pH Value of Testing Solution	7.5
	Recovery Rate of Single Element	15%		

Operation Limits & conditions	Max. Feed Water Flow	16gpm (3.6m ³ /h)
	Max. Working Pressure	600psi (4.14MPa)
	Max. Feed Water Temperature	45°C
	Max. Feed Water SDI ₁₅	< 5
	pH Range of Feed Water During Continuous Operation	2~11
	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	10psi (0.07MPa)
	Max.Turbidity NTU	1.0

Size of Membrane Element

1.0 inch=25.4mm

4" x 40"



A	B	C	D
1016 mm (40 inches)	99.7 mm (3.9 inches)	19.1mm (0.75 inches)	26.7 mm (1.05 inches)



MEMBRANE TECH

Runmo ® Membrane
www.runmomembrane.com

RUNMO® RO MEMBRANE
RUNMO® NF MEMBRANE

RUNMO® UF MEMBRANE
RUNMO® MBR MEMBRANE