

BW-8040

Low Pressure RO Membrane for Brackish Water



Hidrotek industrial brackish water RO membrane series (BW) can achieve high water production rate and high desalination rate in a relatively low operating pressure with low energy consumption. Its operating pressure can be as low as 1MPa (150psi), which makes it suitable for desalinating water with salt content less than 5000PPM. It is widely applied in food processing, drinking water, electricity water supply, electronics and biotechnology industry, pharmaceuticals and other fields.

SPECIFICATIONS:

General Features	Permeate flow rate:	10,000 GPD (37.8 m ³ /day)
	Nominal salt rejection:	99%
	Effective membrane area:	400ft ² (37.2 m ²)

- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
 - 2,000 mg/L NaCl solution at 150 psig (1.03 MPa) applied pressure
 - 15% recovery
 - 77 °F (25 °C)
 - pH 7.5
- Minimum salt rejection is 99%.
- Permeate flow rate for each element may vary +15 / -15%.
- All elements are vacuum sealed in a polyethylene bag and individually packaged in a cardboard box.

Membrane type:	Thin-Film Composite
Membrane material:	Polyamide (PA)
Element configuration:	Spiral-Wound, FRP Wrapping

Dimensions and Weight

Model Name	A	B	C	Weight
BW-8040	40.0 inch (1,016 mm)	7.9 inch (200 mm)	1.13 inch (28.5 mm)	12 kg



A=1016.0mm(40") B=200mm(7.9") C=28.5mm(1.13")

All BW-8040 elements fit nominal 8.0 inch(203.2mm) I.D Pressure Vessels.

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Product Specification Sheet / Model BW-8040