



Brackish Water RO Membranes



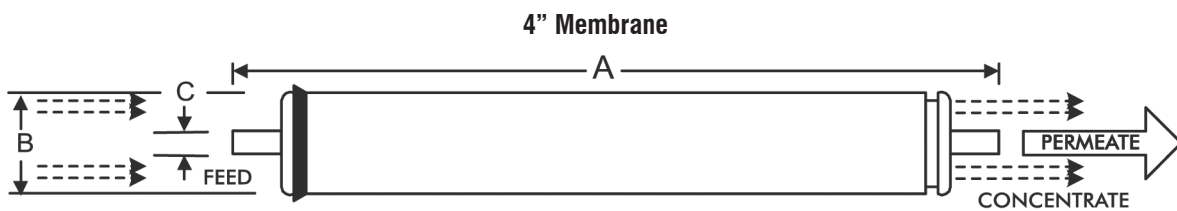
Description

Brackish water (BW) membrane elements adopt the most advanced polyamide sheets for brackish water desalination with TDS less than 8000mg/L whose source is surface water, groundwater and others.

Features

- ▶ 4" diameter membranes
- ▶ High performance in wiping off SiO₂
- ▶ High stability and optimization structure facilitating cleaning
- ▶ High quality raw materials
- ▶ Strict quality standards through rigorous testing to insure rejection & water flow

Dimensions



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.00 (1016)	3.95 (100.3)	0.75 (19.1)	8 (3.6)

Core tube extension = 1.05" (26.7 mm)

Technical Information

		Burton BW 4040
Specification	Permeate Flow	2,250 gpd (8.5m3/d)
	Minimum Salt Rejection	99.5 %
Type	Configuration	Spiral Wound
	Membrane Polymer	Composite Polyamide
	Nominal Membrane Area	85 ft2
Application Data*	Brine Spacer Material	Polypropylene
	Maximum Applied Pressure	600 psig (4.16 MPa)
	Maximum Chlorine Concentration	< 0.1 ppm
	Maximum Operating Temperature	113 °F (45°C)
	Feedwater pH Range	3.0 - 10.0
	Maximum Feedwater Turbidity	1.0 NTU
	Maximum Feedwater SDI (15 mins)	5.0
	Maximum Feed Flow	14 GPM (3.2m3/h)
	Minimum Ratio of Concentrate to Permeate Flow for any Element	5:1
	Maximum Pressure Drop for Each Element	15 psi

* The limitations shown here are for general use of 4" membranes. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

Test Results

The stated performance is initial (data taken after 30 minutes of operation), based on the following standard test conditions:

- ▶ 2000 PPM NaCl solution
- ▶ 225 psi (1.55 MPa) Applied Pressure
- ▶ 77 °F (25°C) Operating Temperature
- ▶ 15% Permeate Recovery
- ▶ 6.5 - 7.0 pH Range

Notes

Permeate flow for individual elements may vary + 25% or - 15%. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulphite solution and 10% propylene glycol, and then packaged in a cardboard box.



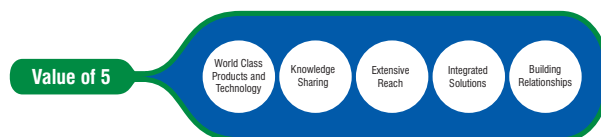
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