

Membranes

REVERSE OSMOSIS ELEMENT

- For normal or brackish feed water (TDS < 10,000ppm)
- Low pressure
- High rejection

BW-400

PERFORMANCE

Permeate Flow	10500 GPD (39.70 m ³ /d)
Salt Rejection	99.7% (99.0% minimum)

MEMBRANE ELEMENT

Configuration	Polyamide thin-film composite membrane
Membrane Active Area	37.20m ² /400ft ²
Manufacturing Certificate	NSF, CE, WQA, ROHS, ISO9001:2015, ISO14001:2015, OHSAS18001

APPLICATION DATA

Applications	Brackish water, surface water, municipal water, underground water
Maximum Applied Pressure	600 psi (4.14 MPa)
Maximum Chlorine Concentration	< 0.1 PPM
Maximum Operating Temperature	113°F (45°C)
pH Range, Continuous (Cleaning)	1-13
pH Range, Continuous (Running)	2-11
Maximum Feed Water TDS	10,000 ppm
Maximum Feed Silt Density Index (SDI)	5.0
Maximum Feed Flow	75 gpm (17 m ³ /h)
Boron-removingrate (%)	92
Maximum Pressure Drop for Each Element	15 psi (0.1 Mpa)

* The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. Please feel free to contact us for more detail on operation limits, cleaning pH, and cleaning temperatures.

TEST CONDITIONS

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

2000mg/L NaCl solution
225 psi (1.55 MPa) Applied Pressure
77°F (25°C) Operating Temperature
15% Permeate Recovery
pH 7.0±5

Notice: Permeate flow for individual elements may vary ±15 percent. Membrane active area may vary +/-5%-10%. Element weight may vary. All membrane elements are supplied with a brine seal, interconnector, and o-rings.



DIMENSIONS

	A inches (mm)	B inches (mm)	C inches (mm)	
	40 (1016)	7.9 (201)	1.125 (29)	

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