



IMMAC IM 4040

RO MEMBRANE - BRACKISH WATER / High Rejection

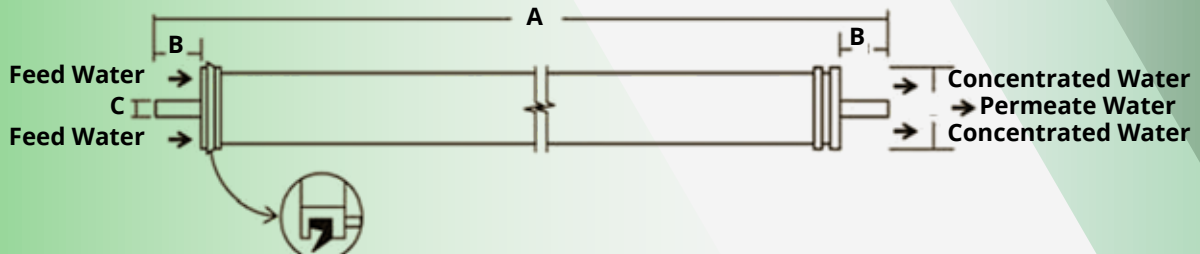
RO membrane elements adopt the most advanced polyamide sheets, and are combined with the experience we got over the years, so we can have a treatment of desalination brackish water surface water, ground water, and other source water.

Performance parameters

Active area ft ² (m ²)	78 (7.5)
Test pressure Psi (MPa)	225 (1.55)
Permeate water flow GPD (m ³ /d)	2300 (8.9)
Rejection (%)	99.3
Recovery (%)	15

Notice: test conditions

1. The test is under water temperature 25°C, NaCl 2000 mg/L, pH 7.5 and the standard recycle rate and pressure
2. The water output deviation of single membrane is between ±15% of mean value
3. The lowest desalination rate is 99.0%



A	1016.0 mm (40.0 inch)	C	19.1 mm (0.75 inch)
B	26.7 mm (1.05 inch)	D	100.1 mm (3.94 inch)

Suggested operating conditions

Max operation pressure	600psi (4.2MPa)
Max feed water temperature	45°C Max
Max feed water SDI	5
Max feed water flux	14GPM (3.2m ³ /h)
Max free chlorine in feed water	<0.1mg/L
Range of feed water PH value of constant run	3~10
Range of feed water PH value of chemical cleaning	2~11
Max pressure drop of single membrane	15Psi (0.1Mpa)

Information Notice

- 1 More information about design parameters, you can read the new version of manual, design direction and other relative data, or have a consultation with technologist. If user doesn't obey the manual offered by us, we will not take responsibility for what happen.
- 2 All the membranes are tested strictly and treated with 1.0% NaHSO₃ for storage (propylene glycol antifreeze is added in winter) before shipped .We adopt vacuum packaging and the hard cardboard is used for packaging. To prevent the growing of microbial in short-term storage and transport. The protect liquid of 1.0%NaHSO₃ is promoted (confected with RO pure water) to marinate components
- 3 It is suggested that the first hour of pure water be drain
- 4 Any chemical medicament, having a bad effect on membrane's performance, is bidden to add in the period of storage, installation and normal function. When install, please use pure water or glycerin if lube is needed. When clean, refer to the cleaning method and the chemical medicament of complex offered by us .If you use other chemical medicament, we will not take any responsibility of what happens
- 5 FRP (Fiberglass-Reinforced Plastics) is adopted for 4040 and 8040 and the limited pressure is 15 Psi .Adhesive tape wrap is adopted for household membrane, and pyrocondensation film is added for other dimension of membrane.