

BW(BrackishWater) Brackish RO membrane

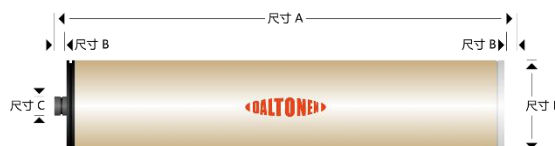
► Brief introduction

Daltonen BW reverse osmosis membrane element is mainly used for desalination of brackish water to provide stable and excellent membrane elements for water treatment system. The element has low operating pressure and provides a more cost-effective choice for industrial applications. For the more difficult soluble salts, such as TOC and SiO₂, which have high removal rate, daltonen BW series has two specifications of 8 inches and 4 inches. **The inlet channels are all 34mil, which increases the anti pollution ability.** It is suitable for nearly zero discharge of wastewater in petroleum and petrochemical industries and boiler make-up water in thermal power plants.

► Advantage

- Stable performance, high organic matter removal rate
- Low operation pressure, high capa. And low cost
- near zero discharge standard of industrial wastewater

► Product dimension



Model	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)
BW8400PRO	40(1,016)	/	1.125(29)	7.9(201)
BW4040PRO	37.9(963)	1.05(26.7)	0.75(19)	3.9(99)

► Specification

Model	Affective area ft ² (m ²)	Stable salt rejection %	Min. Salt rejection %	Capacity gpd (m ³ /d)
BW8400PRO	400(37.2)	99.5	99.3	10,500(40)
BW4040PRO	92(8.2)	99.5	99.3	2,050(7.8)

Test conditions: inlet pressure 1.55 MPa (225 psi); Water inlet temperature 25 °C (77 ° f); Inlet water quality: 2000 ppm NaCl;

Influent pH 8; The recovery was 15%.

► Operation condition

- Max.work pressure 83 bar (1200psi)
- Max.work temp: 45°C (113°F)
- Max pressure drop 1.0 bar (15 psi)
- Continuous operation pH range 2-11
- Chemical cleaning pH range 1-13
- Max feed water SDI(SDI₁₅) 5.0
- Free chlorine <0.1 ppm

► Instruction

- The flow variation range of single membrane element is ± 15%.
- The variation range of effective membrane area is ± 4%.
- The stable desalination rate is obtained after 24-48 hours of continuous operation, depending on the inlet water quality and operating condition