

Brackish Water RO Membrane Elements

Applications

- Brackish water, groundwater, surface water, tap water treatment etc.
- Production water supply system for electronics, power, steel, pharmacy, thermoelectric, petrochemical, coal chemical industry etc.
- Feed TDS below 5000 mg/L

Benefits

- High Rejection and Strong Stability
- High Economical and wide applicability

1. 8040 Element



1.1 Specifications

Model	Active Area ft ² (m ²)	Feed Spacer Thickness (mil)	Permeate Flow Rate GPD (m ³ /d)	Stabilized Salt Rejection (%)
BW--8040	400(37.2)	28	10500(39.7)	99.60

1.2 Standard Test Conditions

Solution	Operating Pressure psi (MPa)	Temperature (°C)	pH	Recovery (%)
2000mg/L NaCl	225(1.55)	25	7.5-8.0	15

Individual flow rate may vary ± 15%

3. Element Dimensions and Operating Limits

Model	Length		Diameter		Permeate Tube Inner Diameter		Permeate Tube Extension Length	
	inch	mm	inch	mm	inch	mm	inch	mm
8040	40	1016	7.9	201	1.12	28.5	/	/

Maximum Operating Pressure	600psi(4014MPa)
Operating Temperature Range	0-45°C
Maximum Feed Flow Rate	17.0m ³ /h(8040), 3.6m ³ /h(4040)
Maximum Feed SDI ₁₅	5.0
Free Chlorine Tolerance	0.1mg/L
pH Range, Continuous Operation	3-10
pH Range, Short-Term Cleaning	1-13
Maximum Element Pressure Drop	15psi(0.1MPa)