

Fouling Resistant RO Membrane Element

Applications

- Production wastewater treatment, reclaimed water recycle, sewage wastewater treatment etc.
- Industrial applications for power, steel & iron, electroplating, petrochemical, coal to chemicals, textile and dyeing, pulp & paper, landfill leachate etc.
- Feed TDS below 8000mg/L

Benefits

- Improved Feed Spacer and Thicker Channel
- Greater Restorability after Chemical Cleaning
- Durability upgraded

8040 Elements



Specifications

Model	Active Area ft ² (m ²)	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m ³ /d)	Stabilized Salt Rejection (%)
BW-8040XLFR	400(37.2)	34	11500(43.5)	99.75
BW-8040LFR	400(37.2)	34	10500(39.7)	99.75
BW-8040FR	365(33.9)	34	9500(35.9)	99.70

Standard Test Condition

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

Individual flow rate may vary ±15%

4040 Elements



Specifications

Model	Active Area ft ² (m ²)	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m ³ /d)	Stabilized Salt Rejection (%)
BW-4040XLFR	85(7.9)	34	2300(8.7)	99.60
BW-4040FR	78(7.3)	34	2000(7.6)	99.60

Standard Test Condition

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

Individual flow rate may vary ±15%

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	/	/
4040	40	1016	3.9	99	0.75	19.1	1.04	26.5

Maximum Operating Pressure	600psi(4.14MPa)
Maximum Operating Temperature	45°C
Maximum Feed Silt Density Index (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)

All pictures for reference only.Please contact KeenSen for further advise.