

SEA WATER (SW) RO ELEMENT



Sea Water Desalination Membrane Series

Puroxy sea water desalination membrane is good in desalinating sea water and brackish water. It can effectively remove salt in water, with stable performance and low maintenance cost. It is used in sea water desalination, brackish water desalination and other industries

Specification And Main Performance Of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area ft ² (M ²)
SW-8040	99.7	99.5	5000	37
SW-4040	99.7	99.5	1400	7.5
SW-4021	99.7	99.5	500	3.3

Testing Conditions:

Testing Pressure	800psi (5.5MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution (nacl)	32800PPM
pH value of Testing Solution	7.5
Recovery Rate	8%

Operation Limits and Conditions:

Max. Working Pressure	1000psi(6.9Mpa)
Max. Working Feedwater flow	75gpm(8040), 16gpm(4040/4021)
Max. Feedwater Temperature	45c
Max. Pressure SDI	5
Max. Pressure Drop	15psi(0.1Mpa)
Residual Chlorine Decline	<0.1ppm
pH Range of Feedwater	3.0-10.