

# BRACKISH WATER (BW) RO ELEMENT



## Industrial Brackish Water RO Membrane Series

Puroxy Industrial Brackish Water Ro Membrane Series (BW) can achieve high water production rate and high desalination rate in a relatively low operating pressure with low energy consumption. its operating pressure can be as low as imp a (150psi), which makes it suitable for desalinating water with salt content less than 5000ppm. it is widely applied in food processing, drinking water, electricity water supply, electronics and biotechnology industry, pharmaceuticals and other fields.

### Specification And Main Performance Of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area ft <sup>2</sup> (M <sup>2</sup> )
BW-8040	99	98	10000	37
BW-4040	99	98	2500	7.5
BW-4021	99	98	1000	3.3

#### Testing Conditions:

Testing Pressure	150psi (1.03MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	1500ppm
pH value of Testing Solution	7.5
Recovery Rate	15%

#### Operation Limits and Conditions:

Max. Working Pressure	600psi (4.1MPa)
Max. Feedwater Flow	75gpm (8040) 16gpm (4040/4021)
Max. Feedwater Temperature	45C
Max. Feedwater SDI	5
Max. Pressure Decline	15psi(0.1MPa)
Residual Chlorine	<0.1ppm
pH Range of Feedwater	3.0-10.0