

# BRACKISH WATER (BW) RO ELEMENT



**MaxFlux RO BW** Elements provides reliable operation and high quality water production for industrial commercial and drinking water applications. It can achieve high rate of desalination and water production in relatively low operating pressure with low energy consumption. MaxFlux RO BW Elements feature fouling resistance chemistry and special spacers for reducing the impact of fouling in harsh water conditions. The elements can withstand over a wide range of pH in the cleaning process

Size	Model	Stable Rejection	Average Permeated Flow GPD(T/D)	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )
8 Inch	BW-8040	99.6%	10500(39.7)	400(37.2)
4 Inch	BW-4040	99.6%	2400(9.1)	85(7.9)

Permeate flow and salt (NaCL) rejection based on: 2,000 ppm NaCL, 225psi ( 15.5 bar ), 77 °F (25 °C), pH 8, 15% recovery.

## Operation Limits and conditions

Max. Working pressure	600psi(4.14MPa)
Max. Feed Water Temperature	45C
Max. Feed Water Flow	17.0m <sup>3</sup> /h (8040)    3.6m <sup>3</sup> /h (4040)
Max. Feed Water SDI <sub>15</sub>	5.0
Free Chlorine Concentration of Feed water	0.1mg/L
pH Range of Feed Water during Continuous Operation	2-11
pH Range of Feed Water during Chemical Cleaning	1-13
Max. Pressure Drop of Single Membrane Element	15psi



MaxFlux Element	Dimensions - inches (mm)			1 inch=25.4 mm	
	A	B	C	D	
BW 8040	40.0(1016)	7.9(201)	1.125ID(29)	/	
BW 4040	40.0(1016)	3.9(99)	0.75(19)	1.04(26.5)	

## Projects

**Project name:** Lüleburgaz-Kirkalareli, Turkey

**Model:** BW30-8040

**Permeate flow:** 30000TPD

**Application:** reclaimed water reuse

**Operation date:** June, 2014

**Raw water type:** Underground water



Reclaimed water project

**Project name:** Electronics industry, Malaysia

**Model:** BW30-8040

**Permeate flow:** 80m<sup>3</sup>/h

**Application:** treat the sewage discharged from the factory

**Operating pressure:** 12.6bar

**Recovery:** 75%

**Salt rejection:** 98%

**Temperature:** 32°C