

# FOULING RESISTANT RO MEMBRANE

## USAGE

FR series membrane are mainly used for the treatment of wastewater and reuse of reclaimed water in power, steel, electroplating, petrochemical, coal chemical, printing and dyeing, paparmaking, garbage infiltration, and other industries with salt concentrations below 10000mg/L.

## SPECIFICATIONS & PARAMETERS

Model	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Concentrate Channel Spacer (mil)	Permeate Flow GPD(m <sup>3</sup> /d)	Stable Rejection Rate (%)	Minimum Rejection Rate (%)
BW-8040FR	400(37.2)	34	10500(39.7)	99.70	99.50
BW-4040FR	85(7.39)	34	2300(8.7)	99.60	99.50

## STANDARD TEST CONDITION

Concentration of Solution (NaCl)	Temperature (℃)	pH Value	Operating Pressure psi(MPa)	Recovery Rate (%)
2000mg/L	25	7.5-8	225(1.55)	15

Notes: The permeate flow of single membrane element may vary with in ±15%.

### Operating Limits and Conditions of Membrane Element:

Max.Working Pressure	600 psi(4.14MPa)
Max. FeedWater Temperature	45 ℃
Max. FeedWaterSDI15	5.0
Max. Feed Water Flow	17m <sup>3</sup> /h
Free Chlorine Concentration of FeedWater	0.1mg/L
pH Range of FeedWaterDuring Continuous Operation	3-10
pH Range of FeedWaterDuring Chemical Cleaning	1-13
Max. Pressure Drop of Single Membrane Element	15psi(0.1Mpa)