

◇ Low Pressure RO Membrane Elements- LP Series

Low Pressure Series is primarily used in desalination of brackish water. This series features low operating pressure, high permeate flow and rejection. It has high performance in rejecting soluble salt, TOC and SiO₂, and can be widely applied in pure water production in electricity and electronic industries.

Model	Permeate Flow		Stable Rejection %	Active Membrane Area		Feed spacer Thickness mil
	GPD	m ³ /d		ft ²	m ²	
LP22-8040-440	11500	43.5	99.7	440	40.9	28
LP22-8040	10500	39.7	99.7	400	37.2	28
LP22-8040PRO	11000	41.6	99.7	400	37.2	28
LP22-8040/31	10500	39.7	99.7	400	37.2	31
LP21-4040	2800	10.6	99.6	100	9.3	28

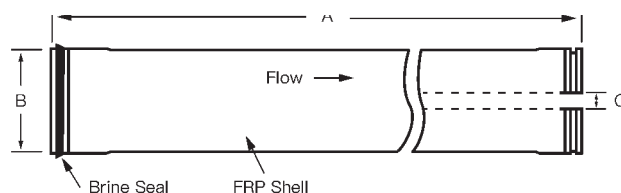
Testing Conditions	Operating pressure 225 psi (1.55 MPa)
	Tested at 2000 mg/L NaCl solution
	Temperature at 25°C
	pH 7.0 ± 0.5
	Recovery rate at 15%

Operating Conditions & Limits	Maximum operating pressure:	600 psi (4.14 MPa)
	Maximum feedwater flow:	8040-75 gpm (17 m ³ /h) 4040-16 gpm (3.6 m ³ /h)
	Maximum feedwater temperature:	45°C
	Maximum feedwater flow SDI ₁₅ :	5
	Maximum concentration of free chlorine:	<0.1 mg/L
	Maximum pressure drop per element:	15 psi (0.1MPa)
	Allowed pH range for chemical cleaning:	1-13
	Allowed pH range for feedwater in operation:	2-11

Note: Each membrane element may have ±15% variation of permeate flow.

Product Size (1 inch=25.4 mm)

8040 Membrane Element



A/mm(inch)	B/mm(inch)	C/mm(inch)
1016 (40)	201 (7.9)	29 (1.125)