

◇ Fouling Resistant RO Membrane Elements - FR Series

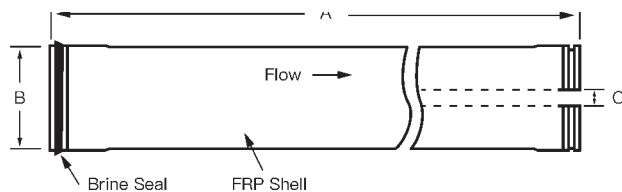
FR Series RO Membrane Element utilizes specialized manufacture technique that can improve the hydrophilicity, electric charge and roughness of its surface, thus reducing the breeding and adsorption of pollutants and microbes on membrane surface.

Model	Permeate Flow		Stable Rejection	Active Membrane Area		Feed Spacer Thickness
	GPD	m³/d	%	ft²	m²	mil
FR12-8040	10500	39.7	99.5	400	37.2	34
FR22-8040PRO	11000	41.6	99.7	400	37.2	34
FR400-LD	10500	39.7	99.6	400	37.2	34
FR11-4040	2200	8.3	99.5	90	8.4	34
Testing Conditions	Operating pressure 225 psi (1.55 MPa)					
	Tested at 2000mg/L NaCl solution					
	Temperature at 25℃					
	pH 7.0 ± 0.5					
	Recovery rate at 15%					
Operating Conditions & Limits	Maximum operating pressure:			600 psi (4.14 MPa)		
	Maximum temperature:			45℃		
	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.

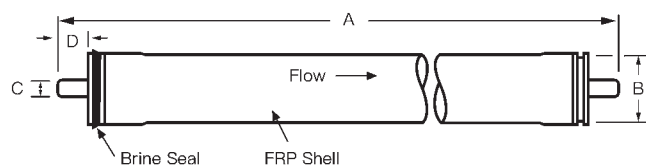
Product Size (1 inch=25.4 mm)

8040 Membrane Element



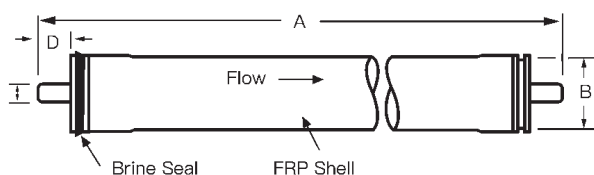
A/mm(inch)	B/mm(inch)	C/mm(inch)
1016 (40)	201 (7.9)	29 (1.125)

4040、2540 Membrane Element



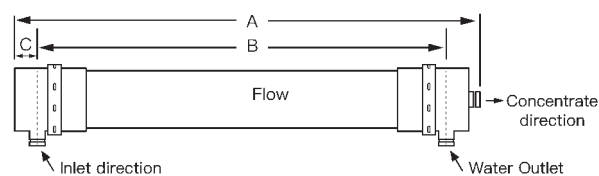
Specification	A/mm(inch)	B/mm(inch)	C/mm(inch)	D/mm(inch)
4040	1016 (40)	99.7 (3.9)	19.1 (0.75)	26.7 (1.05)
2540	1016 (40)	61 (2.4)	19.1 (0.75)	30.2 (1.19)

4021、2521 Membrane Element



Specification	A/mm(inch)	B/mm(inch)	C/mm(inch)	D/mm(inch)
4021	533.4 (21)	99.7 (3.9)	19.1 (0.75)	26.7 (1.05)
2521	533.4 (21)	61 (2.4)	19.1 (0.75)	30.2 (1.19)

2860、2880 Membrane Element



Specification	A/mm(inch)	B/mm(inch)	C/mm(inch)
2880	2360 (92.91)	2130 (83.85)	95 (3.74)
2860	1860 (73.23)	1630 (64.17)	95 (3.74)