

◇ Sea Water Desalination RO Membrane Elements - SW Series

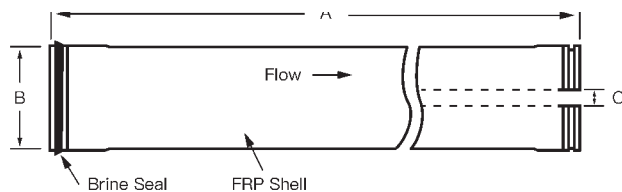
SW Series is used for sea water desalination. It can improve permeate flow by optimizing membrane element structure. It has the features of high rejection rate, stable performance, low operating cost and small equipment investment. It can be used to obtain qualified drinking water from seawater.

Model	Permeate Flow		Rejection Rate	Active Membrane Area		Spacer Thickness	Boron Rejection Rate
	GPD	m ³ /d	%	ft ²	%	mil	%
SW8040XHR-400	6000	22.7	99.85	400	37.2	28	92.0
SW8040XHR-440	6600	25.0	99.85	440	40.9	28	92.0
SW8040FR-400	8200	31.0	99.8	400	37.2	34	92.0
SW8040HR-400	7500	28.4	99.8	400	37.2	28	92.0
SW8040HR-440	8250	31.2	99.8	440	40.9	28	92.0
SW8040LE-400	9000	34.0	99.8	400	37.2	28	92.0
SW8040LE-440	9500	35.9	99.8	440	40.9	28	92.0
SW8040XLE-400	11000	41.6	99.7	400	37.2	28	92.0
SW8040XLE-440	12100	45.8	99.7	440	40.9	28	92.0
SW4040HR	1600	6.1	99.8	90	8.4	28	91.0
SW4040LE	1900	7.2	99.7	90	8.4	28	91.0
SW11-4021 ¹	750	2.8	99.5	33	3.1	28	91.0
SW11-2521 ¹	270	1.0	99.5	12	1.1	28	91.0
SW11-2540	600	2.3	99.5	28	2.6	28	91.0
Testing Conditions	Operating pressure 800 psi (5.52 MPa) Tested in 32000 mg/L NaCl solution						
	Temperature at 25 °C pH 8 Recovery rate at 8%						
Operating Conditions & Limits	¹ Operating pressure 800 psi (5.52 MPa) Tested in 32000 mg/L NaCl solution						
	Temperature at 25 °C pH 8 Recovery rate at 4%						
Operating Conditions & Limits	Maximum Operating pressure:			1200 psi (8.28 MPa)			
	Maximum feedwater flow:			8040-75 gpm (17 m ³ /h)			
				4040, 4021-16 gpm (3.6 m ³ /h)			
				2521, 2540-6 gpm (1.4 m ³ /h)			
	Maximum 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)			
Operating Conditions & Limits	Allowed pH range for chemical cleaning:			1-13			
	Allowed pH range for feedwater in operation:			2-11			

Note: Each membrane element may have ±20% variation of permeate flow.

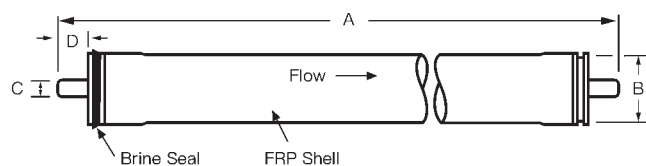
Product Size (1 inch=25.4 mm)

8040 Membrane Element



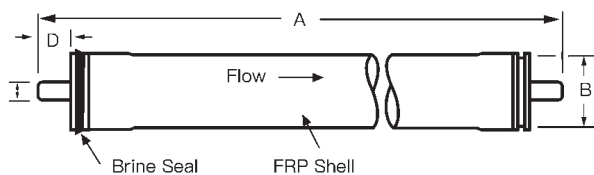
A/mm(inch)	B/mm(inch)	C/mm(inch)
1016 (40)	201 (7.9)	29 (1.125)

4040、2540 Membrane Element



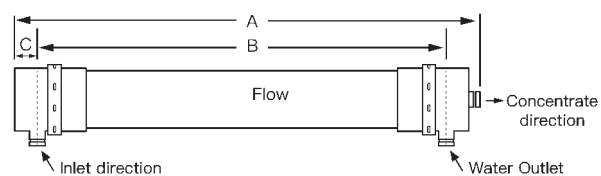
Specification	A/mm(inch)	B/mm(inch)	C/mm(inch)	D/mm(inch)
4040	1016 (40)	99.7 (3.9)	19.1 (0.75)	26.7 (1.05)
2540	1016 (40)	61 (2.4)	19.1 (0.75)	30.2 (1.19)

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)