

Vontron membranes Sea water



Ref.	Description	Permeated	£/uni.
RO4047	SW11-2521 model	30 L/h	
RO4048	SW11-2540 model	80 L/h	
RO4049	SW11-4021 model	120 L/h	
RO4050	SW21-4040 model	220 L/h	
RO4051	SW22-8040 model	1.025 L/h	



Operating limit and conditions:

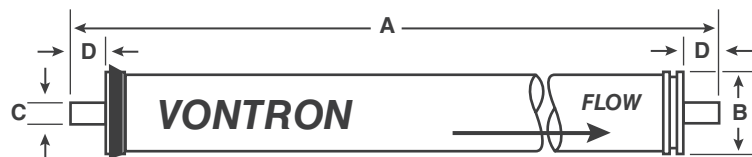
- Permeate may vary about 20%.
- Max. working pressure: 1.000 psi (6,9 Mpa)
- Max. feedwater SDI: 5
- Residual chlorine concentration: <0,1 ppm
- pH range of feedwater during continuous operation: 3~10
- pH range of feedwater during chemical cleaning: 2~12
- Max. pressure drop of membrane:
 - 15 psi (0,10 Mpa): RO4048, RO4050, RO4051
 - 10 psi (0,07 Mpa): RO4047, RO4049
- Boron rejection: 90%~92%

Test conditions:

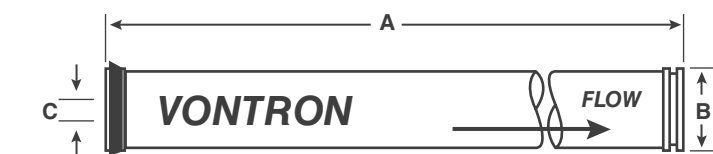
- Testing pressure: 800 psi (5,5 Mpa)
- NaCl concentrated: 32.800 ppm
- Temperature of testing solutions: 25°C
- pH value of testing solution: 7,5
- Recovery rate of membrane:
 - 8% (RO4048, RO4050, RO4051)
 - 4% (RO4047, RO4049)

*When tested at standard test conditions with 5 ppm Boron in feed solution.

	RO4047	RO4048	RO4049	RO4050	RO4051
· Permeated:	0,76 m³/d	1,89 m³/d	2,80 m³/d	5,30 m³/d	24,60 m³/d
· Max. feedwater flow:	6 GPM (1,40 m³/h)	6 GPM (1,40 m³/h)	16 GPM (3,60 m³/h)	16 GPM (3,60 m³/h)	75 GPM (17 m³/h)
· Minimum rejection rate:	99%	99%	99%	99,2%	99,5%
· Stable rejection rate:	99,2%	99,2%	99,2%	99,5%	99,7%
· Membrane area:	1,10 m²	2,60 m²	3,10 m²	7,90 m²	35,20 m²



2521:	A= 533.4 mm (21")	B= 61 mm (2.4")	C= 19.1 mm (0.75")	D= 30.2 mm (1.19")
2540:	A= 1016 mm (40")	B= 61 mm (2.4")	C= 19.1 mm (0.75")	D= 30.2 mm (1.19")
4021:	A= 533.4 mm (21")	B= 99.7 mm (3.9")	C= 19.1 mm (0.75")	D= 30.2 mm (1.19")
4040:	A= 1016 mm (40")	B= 99.7 mm (3.9")	C= 19.1 mm (0.75")	D= 26.7 mm (1.05")



8040:	A= 1016 mm (40")	B= 201.9 mm (7.95")	C= 28.6 mm (1.125")
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ISO 9001 Quality System Certification



Certified to NSF 58



Tested to Hygiene Requirements by Chinese Centet for Disease Control & Prevention