

## Vontron membranes Ultra low pressure



Ref.	Description	Permeated	£/uni.
RO4045	ULP21-2521 model	50 L/h	
RO4044	ULP21-2540 model	120 L/h	
RO4038	ULP31-4021 model	130 L/h	
RO4060	ULP21-4021 model	150 L/h	
RO4046	ULP11-4021 model	160 L/h	
RO4039	ULP31-4040 model	300 L/h	
RO4058	ULP21-4040 model	380 L/h	
RO4043	ULP11-4040 model	425 L/h	
RO4053	ULP32-8040 model	1.650 L/h	
RO4029	ULP22-8040 model	1.900 L/h	
RO4052	ULP12-8040 model	2.080 L/h	



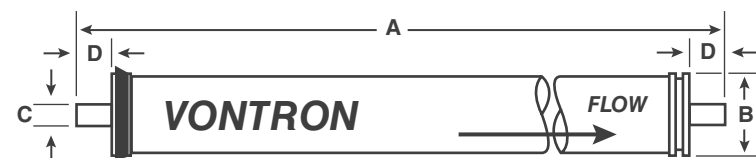
### Operating limit and conditions:

- Permeate may vary about 20%.
- Max. working pressure: 600 psi (4,14 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)

### Test conditions:

- Testing pressure: 150 psi (1,03 Mpa)
- NaCl concentrated: 1.500 ppm
- Temperature of testing solutions: 25°C
- pH value of testing solution: 7,5
- Recovery rate of membrane:
  - 15% (RO4043, RO4044)
  - 8% (RO4046, RO4045)

	RO4045	RO4044	RO4038	RO4060	RO4046	RO4039	RO4058	RO4043	RO4053	RO4029	RO4052
· Permeated:	1,13 m³/d	2,84 m³/d	3,20 m³/d	3,60 m³/d	3,78 m³/d	7,20 m³/d	9,10 m³/d	10,20 m³/d	39,70 m³/d	45,70 m³/d	49,90 m³/d
Max. feedwater flow:	1,40 m³/h	1,40 m³/h	3,60 m³/h	3,60 m³/h	3,60 m³/h	3,60 m³/h	3,60 m³/h	3,60 m³/h	17 m³/h	17 m³/h	17 m³/h
· Minimum rejection rate:	98,5%	98,5%	99%	98,5%	97,5%	99%	98,5%	97,5%	99%	98,5%	97,5%
· Stable rejection rate:	99%	99%	99,4%	99%	98%	99,4%	99%	98%	99,5%	99%	98%
· Membrane area:	1,30 m²	2,80 m²	3,30 m²	3,30 m²	3,30 m²	8,40 m²	8,40 m²	8,40 m²	37 m²	37 m²	37 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")



ISO 9001 Quality System Certification



Certified to NSF 58



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