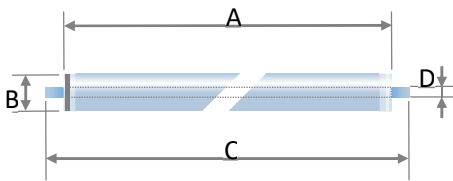
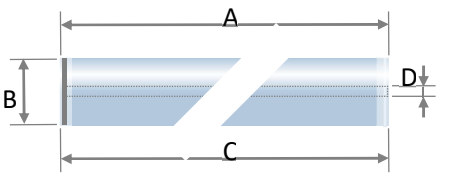


UNISOL Reverse Osmosis Elements

Spiral Wound Element AR RO1 Series

Description	UNISOL AR RO1 series membrane, It is specially designed for low acidic environments, these elements have high flux rates, typical solution is H ₂ SO ₄ .					
Specification	Membrane	RO1				
	Material	TFC				
	Outer wrap	FRP				
	Permeate Flow ⁽¹⁾⁽²⁾	AR RO1 1812B	47 (0.18)			
	GPD (m ³ /d)	AR RO1 2540M	580 (2.2)			
		AR RO1 4040M-M	1900 (7.2)			
		AR RO1 8040M	8700 (33)			
	Stabilized Salt Rejection ⁽¹⁾	> 90%				
Limits	Max Operating Pressure:	80 bar (1160psi)				
	Max Pressure Drop:	1 bar (14.5 psi) for individual element				
	Max Operating Temperature:	50 °C (122 °F)				
	Cleaning pH Range:	0 – 12				
	Chlorine Concentration	< 0,1 ppm				
Area^{ft} (m²)	AR RO1 1812B	2 (0.19)				
	AR RO1 2540M	25 (2.3)				
	AR RO1 4040M-M	80 (7.5)				
	AR RO1 8040M	370 (34.4)				
Dimensions	Male		Female			
						
	Size mm(inch)	A	∅B	C	∅D	Permeate tube
	1812*	305 (12)	46 (1.8)	305 (12)	16 (0.6)	Female
	2540*	965 (38)	62 (2.4)	1016 (40)	19 (0.75)	Male
	4040*	965 (38)	99.4 (3.9)	1016 (40)	19 (0.75)	Male
	8040*	1016 (40)	200.5 (7.9)	1016 (40)	28.8 (1.13)	Female

⁽¹⁾ Test condition: 2000ppm NaCl solution, 125psi (8.6bar), 77 °F (25 °C), pH 8;

⁽²⁾ Permeate flow for individual elements may vary ± 20%

⁽³⁾ For the purpose of improvement, specifications may be updated periodically

UNISOL reserves the right to change specifications without prior notification, please refer to the latest version on UNISOL website.