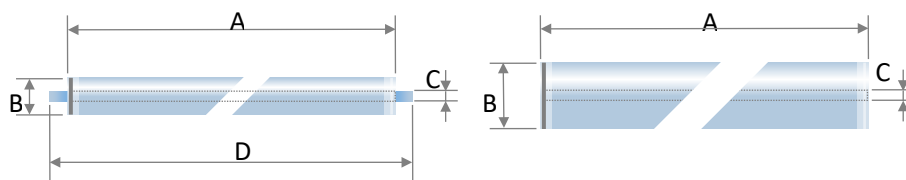


UNISOL UF Elements

Spiral Wound Element FG UF Series for Water Treatment

Description	UF series membrane is a polyethersulfone on polyester backing material based one, had the specialty of low pressure, and chlorine tolerant, can be used for potable water production, RO pretreatment, and wastewater pretreatment.			
Specification	Membrane Material	UPS005 / UPS010 / UPS020 Polyethersulfone		
	MWCO	5,000 Da	for UPS005	
		10,000 Da	for UPS010	
		20,000 Da	for UPS020	
	Out Wrap	FRP		
Limits	Max. Operating Pressure	10 bar (145 psi)		
	Max. Pressure Drop	0.68 bar (10 psi) for individual element		
	Max. Operating Temperature	50 °C (122 °F)		
	Max. Cleaning Temperature	50 °C (122 °F)		
	Cleaning pH Range	2 – 11		
	Max. feed turbidity ⁽²⁾	1 NTU		
	Max. feed SDI	5		
Area ft² (m²)	Spacer	2540	4040	8040
	31 mil (B)	24 (2.2)	85 (7.9)	351 (32.6)
	46 mil (C)	19 (1.8)	68 (6.3)	269 (25)
Dimensions	Male		Female	
				
Size mm(inch)	A ^[1]	∅B ^[2]	∅C ^[3]	D
2540-Male	965 (38)	62 (2.4)	19 (0.748)	1016 (40)
4040-Male	965 (38)	99.4 (3.9)	19 (0.748)	1016 (40)
4040-Female	1016 (40)	99.4 (3.9)	16 (0.629)	/
8040-Female	1016 (40)	200.5 (7.9)	28.8 (1.138)	/

^[1] Tolerance: -2~0mm.

^[2] Tolerance: -2~0mm.

^[3] 2540/4040-M tolerance: 0~+0.1 mm. 4040-F tolerance: ±0.1mm. 8040 tolerance: -0.2~0 mm.

⁽¹⁾ Test condition: Pure water, 77 °F (25 °C).

⁽²⁾ Feed water with turbidity more than 0.2NTU generally results in cleanings frequently.

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

⁽⁴⁾ Permeate pressure should not exceed feed pressure or concentrate pressure by more than 5psi (0.34bar) during online, offline, and transition.