

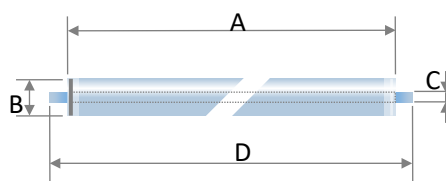
# UNISOL UF Elements

## Spiral Wound Element FG UF Series for Water Treatment

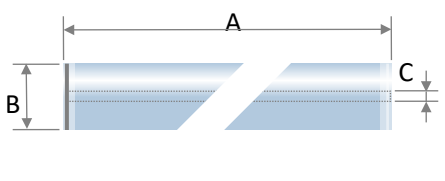
<b>Description</b>	UF series membrane is a polyethersulfone on polyester backing material based one, had the specialty of low pressure, and chlorine tolerant, can be used for potable water production, RO pretreatment, and wastewater pretreatment.			
<b>Specification</b>	Membrane Material	UPS005 / UPS010 / UPS020 Polyethersulfone		
	MWCO	5,000 Da	for UPS005	
		10,000 Da	for UPS010	
		20,000 Da	for UPS020	
	Out Wrap	FRP		
<b>Limits</b>	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 <sup>(2)</sup>	1 NTU		
	Max. feed SDI	5		
<b>Area ft<sup>2</sup> (m<sup>2</sup>)</b>	<b>Spacer</b>	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 <sup>[1]</sup>	∅B <sup>[2]</sup>	∅C <sup>[3]</sup>	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)	/

<sup>[1]</sup> Tolerance: ±0.5mm.

<sup>[2]</sup> Tolerance: -2/0mm.

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

<sup>(1)</sup> Test condition: Pure water, 77 °F (25 °C).

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

<sup>(3)</sup> For the purpose of improvement, specifications may be updated periodically

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