

UNISOL UF Elements

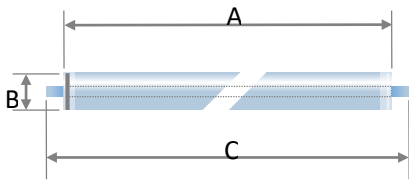
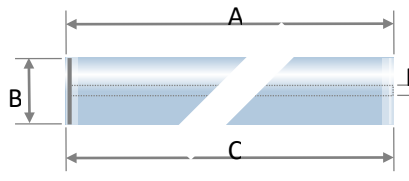
Spiral Wound Element FG UF Series for Water Treatment

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	UPS003 UPS005 UPS010
	Material	Polyethersulfone
	MWCO	3,000 Da for UPS003 5,000 Da for UPS005 10,000 Da for UPS010
	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 ft ² (m ²)	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		2540 Male	4040-M Male	4040-F Female	8040 Female
A	mm (inch)	965 (38)	965 (38)	1016 (40)	1016 (40)
∅B	mm (inch)	62 (2.4)	99.4 (3.9)	99.4 (3.9)	200.5 (7.9)
C	mm (inch)	1016 (40)	1016 (40)	1016 (40)	1016 (40)
∅D	mm (inch)	19 (0.75)	19 (0.75)	16 (0.63)	28.8 (1.13)

⁽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.

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