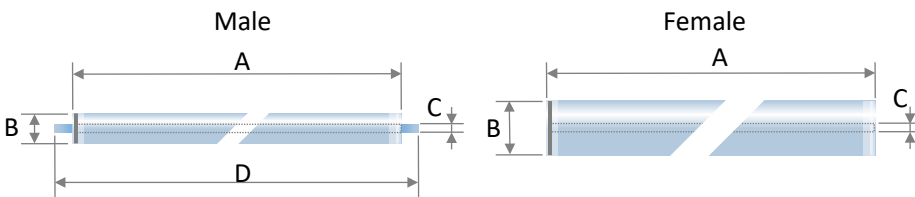


UNISOL UNF22 nanofiltration Elements

Spiral Wound Element FG UNF22 Series

Description	UNF22 series membrane element is with Nano-filtration membrane designed primarily for organic and color removal. It has excellent rejection of divalent ions, as well as organics with a molecular weight above 400 Daltons, while featuring monovalent rejection of about 40 - 60%.				
Specification	Membrane	UNF22			
	Material	Polypiperazine			
	Out Wrap	FRP			
	Permeate Flow ^{(1) (2) (3)}	FG UNF22 2540M	850 (3.2)		
	GPD (m³/d)	FG UNF22 4040M	2500 (9.5)		
		FG UNF22 8040M	12500 (47)		
	MgSO ₄ Rejection ^{(1) (3) (4)}	≥ 97%			
Limits	Max Operating Pressure:	40 bar (580psi)			
	Max Pressure Drop:	1 bar (14.5 psi) for individual element			
	Max Operating Temperature:	45 °C (113 °F)			
	Cleaning pH Range:	2 – 12			
	Chlorine Concentration	< 0,1 ppm			
Area	Model type	Article number	Area		
	ft² (m²)	FG UNF22 2540M	/	28 (2.6)	
		FG UNF22 4040M	/	82 (7.6)	
		FG UNF22 8040M	91112180	400 (37)	
Dimensions					
	Size mm(inch)	A ^[1]	øB ^[2]	øC ^[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: ±0.5mm.					
^[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: 2000ppm MgSO₄ solution, 70psi (4.8bar), 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

⁽⁴⁾ Stabilized salt rejection is generally achieved within 24 – 48 hours of continuous use, depending upon feed water characteristics and operating conditions.