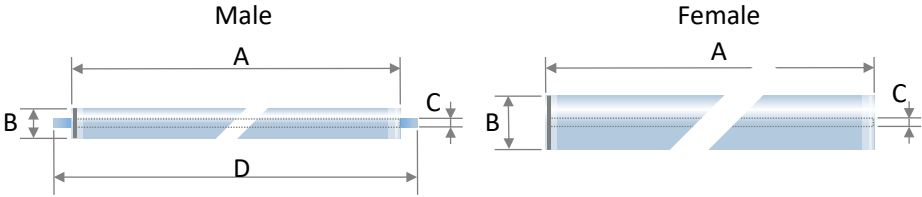


# UNISOL UNF604 Nanofiltration Elements

## Spiral Wound Element FG UNF604 Series

<b>Description</b>	UNF604 series membrane element is with Nanofiltration membrane designed primarily for organic removing, while featuring monovalent rejection is not good as well as organics with a molecular weight below 1000 Daltons.			
<b>Specification</b>	Membrane	UNF604		
	Material	Piperazineamide		
	Out Wrap	FRP		
	Permeate Flow <sup>(1) (2) (3)</sup>	FG UNF604 2540B	740 (2.8)	
	GPD (m <sup>3</sup> /d)	FG UNF604 2540C	500 (1.9)	
		FG UNF604 4040C	2000 (7.6)	
		FG UNF604 8040B	10,000 (37.8)	
		FG UNF604 8040C	7,300 (27.6)	
	MgSO <sub>4</sub> Rejection <sup>(1) (3) (4)</sup>	60 -70%		
<b>Limits</b>	Max Operating Pressure:	40 bar (580psi)		
	Max Pressure Drop:	1 bar (14.5 psi) for individual element		
	Max Operating Temperature:	50 °C (122 °F)		
	Cleaning pH Range:	2 – 12		
	Chlorine Concentration	< 0,1 ppm		
<b>Area</b>	Model type	Article number	Membrane area	
ft <sup>2</sup> (m <sup>2</sup> )	FG UNF604 2540B	91112121	28 (2.6)	
	FG UNF604 2540C	91112014	22 (2.0)	
	FG UNF604 4040C	91112020	67 (6.2)	
	FG UNF604 8040B	/	377 (35)	
	FG UNF604 8040C	91112009	284 (26.4)	
<b>Dimensions</b>				
Size mm(inch)	A <sup>[1]</sup>	øB <sup>[2]</sup>	øC <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: 2000ppm MgSO<sub>4</sub> solution, 110psi (7.6bar), 77 °F (25 °C), pH 8;
- <sup>(2)</sup> Permeate flow for individual elements may vary ± 20%.
- <sup>(3)</sup> For the purpose of improvement, specifications may be updated periodically.
- <sup>(4)</sup> Stabilized salt rejection is generally achieved within 24 – 48 hours of continuous use, depending upon feed water characteristics and operating condition.