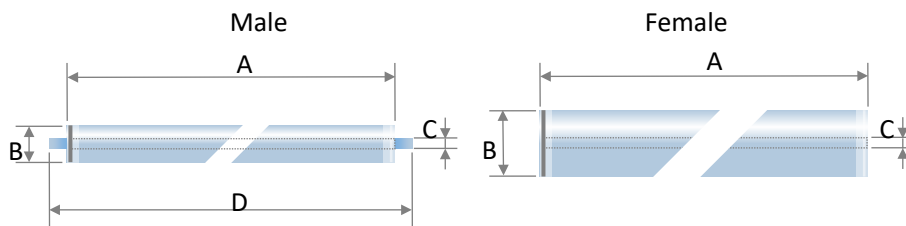


# UNISOL Brackish Water Reverse Osmosis Elements

## Spiral Wound Element FG BW3017 Series

<b>Description</b>	BW3017 series membrane, It is specially designed for water treatment against biological and organic fouling. With the properties of fouling resistance, these elements have high rejection, high flux rates, and allows for most effective cleaning, renewing active membrane surface thus extending the longer operating life for tough water conditions.				
<b>Specification</b>	Membrane	BW3017			
	Material	Polyamide			
	Outer wrap	FRP			
	Permeate Flow <sup>(1) (2)</sup>	Spacer	31mil (B)	28mil (J)	34mil (M)
	GPD (m <sup>3</sup> /d)	FG BW3017 4040	2,450 (9.3)	2,610 (9.9)	/
		FG BW3017 8040	/	10,500 (40)	10,000 (38)
	Stabilized Salt Rejection <sup>(1)</sup>	99.6%			
	Minimum Salt Rejection <sup>(1)</sup>	99.4%			
<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>	Spacer thickness	FG BW3017 4040	FG BW3017 8040		
ft <sup>2</sup> (m <sup>2</sup> )	31 mil (B)	85 (7.9)	/		
	28 mil (J)	90 (8.4)	400 (37)		
	34 mil (M)	/	365 (34)		
<b>Dimensions</b>					
	Size mm (inch)	A <sup>[1]</sup>	øB <sup>[2]</sup>	øC <sup>[3]</sup>	D
	4040-M (Male)	965(38)	99.4(3.9)	19(0.748)	1016(40)
	4040-F (Female)	1016(40)	99.4(3.9)	16(0.629)	/
	8040 (Female)	1016(40)	200.5(7.9)	28.9(1.138)	/
	<sup>[1]</sup> Tolerance: ±0.5mm.				
	<sup>[2]</sup> Tolerance: -2/0mm.				
	<sup>[3]</sup> 4040-M tolerance: 0~+0.1 mm. 4040-F tolerance: ±0.1mm. 8040 tolerance: -0.2~0 mm.				

<sup>(1)</sup> Test condition: 2000ppm NaCl solution, 225psi (15.5bar), 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