

## FR12-8040 Membrane Element

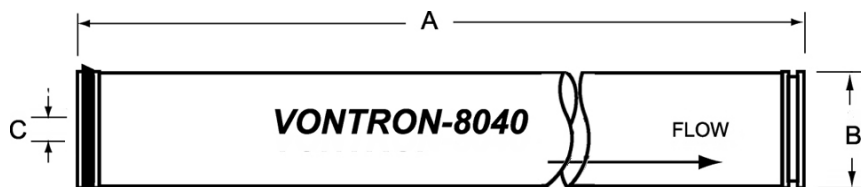
### Brief Introduction

FR12-8040 RO Membrane Element utilizes specialized manufacture technique that can improve the hydrophilicity, electric charge and roughness of its surface, thus reducing the breeding and adsorption of pollutants and microbes on membrane surface.

FR series of fouling resistant membranes normally suitable for treatment of complex water source with TDS less than 10000 ppm. It is mainly used for purification of surface water, mining waste water, municipal reclaimed water, industrial waste water, RO brackish water, etc.

Model	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Permeate Flow GPD(m <sup>3</sup> /d)	Stable Rejection %	Feed Spacer Thickness mil
FR12-8040	400 (37.2)	10500 (39.7)	99.5	34
<b>Testing Conditions</b>	Operating pressure 225 psi (1.55Mpa) Temperature at 25°C Tested at 2000mg/L NaCl solution pH 7.0 ± 0.5 Recovery rate at 15%			
<b>Operation</b>	Maximum operating pressure			600psi (4.14Mpa)
	Maximum feedwater flow			75gpm (17 m <sup>3</sup> /h)
	Maximum feedwater temperature			45°C
	Maximum feedwater flow SDI <sub>15</sub>			5
<b>Limits &amp; Conditions</b>	Allowed pH range for feedwater in operation			2~11
	Allowed pH range for chemical cleaning			1~13
	Maximum concentration of free chlorine			<0.1ppm
	Maximum pressure drop per element			15psi (0.1Mpa)

**Size of Membrane Element:** 1.0 inch =25.4 mm



A/mm(inch)	B/mm(inch)	C/mm(inch)
1016 (40)	201 (7.9)	29 (1.125)