

PURO-I Membrane Element

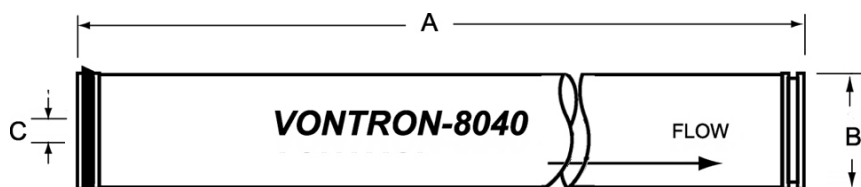
Brief Introduction

PURO-I membrane elements are more pollution-resistant and more resilient to a wide range of chemical cleaning than to its improved cross-link strength of Polyamide desalination layer.

PURO 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 ² (m ²)	Permeate flow GPD(m ³ /d)	Stable Rejection Rate %	Feed Spacer Thickness mil
PURO-I	400 (37.2)	10500 (39.7)	99.75	34
Testing Position	Operating pressure at 225 psi (1.55MPa)			
	Temperature at 25°C			
Testing Position	Tested in 2000 mg/L NaCL solution			
	pH 7.0 ± 0.5			
Testing Position	Recovery rate at 15%			
Operating	Maximum operating pressure		600psi (4.14MPa)	
	Maximum feedwater flow		75gpm (17 m ³ /h)	
	Maximum feedwater temperature		45°C	
	Maximum feedwater flow SDI ₁₅		5	
Limit & Conditions	Allowed pH range for feedwater in operation		2~11	
	Allowed pH range for chemical cleaning		1~13	
Limit & Conditions	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)