

## VNF1- 2540 Membrane Element

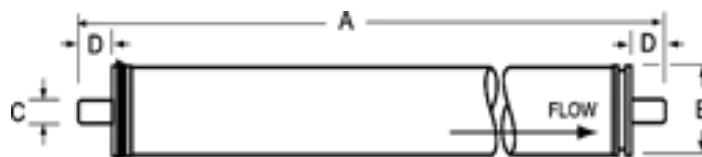
### Brief Introduction

VNF series nanofiltration membrane element is used to remove organic substances, microorganisms, viruses and most of the divalent and multivalent metal ions in water, at the same time to keep part of sodium, potassium, calcium and magnesium ions, it has been widely used in municipal drinking water, bottle water, food and beverage, medicine, bioengineering, pollution control and other industries.

VNF series membrane element has good rejection rates for pesticides, herbicides, TOC and heavy metal ions. The rejection rate of VNF1 for monovalent ions is relatively low, and the rejection rate of VNF2 for monovalent ions is relatively high.

Model	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Permeate Flow GPD(m <sup>3</sup> /d)	Stable Rejection Rate %
VNF1-2540	28 (2.6)	650 (2.64)	≥98
<b>Testing Conditions</b>	Operating pressure 100 psi (0.69Mpa)		
	Temperature at 25°C		
	Tested in 2000 mg/L MgSO <sub>4</sub> solution		
	pH 7.0 ± 0.5		
<b>Operation</b>	Recovery rate at 15%		
	Maximum operating pressure	600psi (4.14Mpa)	
	Maximum feedwater flow	75gpm (17 m <sup>3</sup> /h)	
	Maximum feedwater temperature	45°C	
<b>Limits &amp; Conditions</b>	Maximum feedwater flow SDI <sub>15</sub>	5	
	Allowed pH range for feedwater in operation	3~10	
<b>Conditions</b>	Allowed pH range for chemical cleaning	2~12	
	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)	D/mm(inch)
1016.0 (40)	61 (2.4)	19.1 (0.75)	30.2 (1.19)