

VNF1- 4040 Membrane Element

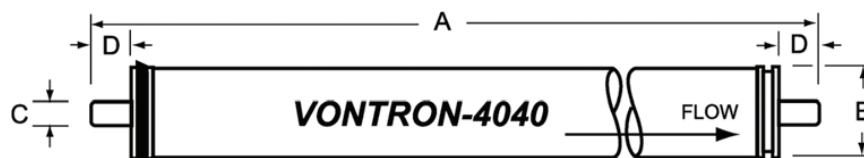
Brief Introduction

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 ² (m ²)	Permeate Flow GPD(m ³ /d)	Stable Rejection Rate %
VNF1-4040	90 (8.4)	2000 (7.5)	≥98
Testing Conditions	Operating pressure 100 psi (0.69Mpa)		
	Temperature at 25°C		
	Tested in 2000 mg/L MgSO ₄ solution		
	pH 7.0 ± 0.5		
Recovery rate at 15%			
Operation	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
Limits & Conditions	Allowed pH range for feedwater in operation		3~10
	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)	99.7(3.9)	19.1(0.75)	26.7(1.05)