

FFM2540NH

FFM's Nanofiltration membrane series designed for Hard-to-treat wastewater, which features exceptional selective ion rejection, effectively differentiating between mono- and divalent ions. This membrane excels in water softening applications for municipal, groundwater, surface water, and industrial wastewater systems, as well as in complex molecular separation processes across food and pharmaceutical industries.

Performance Parameters

Permeate Flow:	750 gpd(2.8m ³ /d)
Salt rejection:	MgSO ₄ 97.0% and NaCl 50.0%-70.0%
Test conditions:	2000 mg/L MgSO ₄ and 2000 mg/L NaCl solution
	77 F(25°C) Operating Temperature
	75 psi (0.52Mpa) Applied Pressure
	15% Permeate Recovery
	6.5-7.0 pH Range

*Single-element water outlet tolerance: ±20% (standard conditions).

Product Specifications

Dimensions-inches(mm)			
L	L1	L2	L3
40.0(1016)	1.12(28.5)	0.75(19.1)	2.4(61)

Item	Specification
Configuration	Spiral Wound
Membrane Polymer	Composite Polyamide
Membrane Active Area	30ft ² (2.8m ²)



*Post-update performance may vary within specified design limits, with ±3% membrane area tolerance.

Operation Parameters

Maximum Operating Temperature:	113°F (45°C)
Maximum Operating Pressure:	600 psi (4.1 Mpa)
Maximum Pressure Drop Per Element:	15psi (0.1 Mpa)
Maximum Pressure Drop Per Vessel:	50psi (0.35 Mpa)
pH Range, Continuous Operation:	2-11
pH Range, Short Term Cleaning (30min):	1-13
Maximum Feed Water SD(15mins):	5
Maximum Chlorine Concentration:	< 0.1mg/L

*The limitations shown here are for general use. For specialized applications or customized solutions, please contact FFM Inc. directly.