

## FFM8040NL-440

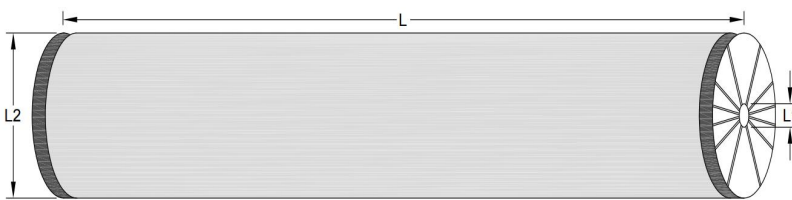
FFM's Nanofiltration membrane series for low-hardness water production achieves a hardness removal rate at exceeding 97% with excellent softening efficiency. Specifically designed for less than moderate salinity water sources—including municipal tap water, groundwater, and surface water—this series efficiently removes divalent ions (primarily calcium and magnesium), organic compounds, and trace contaminants.

### Performance Parameters

Permeate Flow:	13000 gpd(49.3m <sup>3</sup> /d)
Salt rejection:	MgSO <sub>4</sub> 97.0% and NaCL 30.0%-50.0%
Test conditions:	2000 mg/L MgSO <sub>4</sub> and 1000 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
40.0(1016)	1.12(28.5)	7.9(201)

Item	Specification
Configuration	Spiral Wound
Membrane Polymer	Composite Polyamide
Membrane Active Area	440ft <sup>2</sup> (41m <sup>2</sup> )

\*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.