FFM8040AD-400N

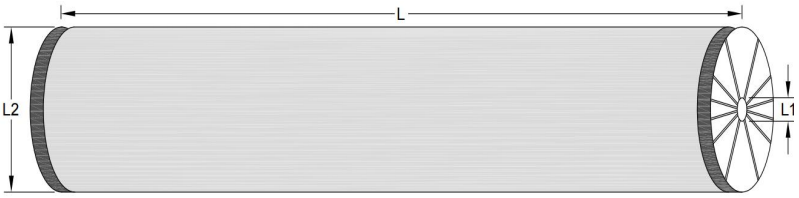
FFM Enhanced Nanofiltration Membrane designed for high-selectivity separation of divalent ions (high rejection) and monovalent ions (low rejection). Features a 34mil wide flow channel to enhance fouling resistance and facilitate cleaning/flux recovery. NF process requires no heating, involves no chemical changes, and preserves substance properties with low energy consumption. Ideal for zero discharge and resource recovery of high-salt wastewater and high-COD brine.

Performance Parameters

Permeate Flow:	8000 gpd(30.5m^3/d)
Salt rejection:	$MgSO_4$ 90.0%
Test conditions:	2000 mg/L $MgSO_4$
	77 F(25℃) Operating Temperature
	100 psi （0.69Mpa） 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	400ft^2(37.2m^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:	1200 psi (8.3 Mpa)
Maximum Pressure Drop Per Element:	15psi (0.1 Mpa)
Maximum Pressure Drop Per Vessel:	50psi (0.35 Mpa)
pH Range,Continuous Operation:	3-10
pH Range, Short Term Cleaning (30min):	2-12
Maximum Feed Water SDI(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.