

FFM4040SF

FFM's Seawater High-Flux RO membrane series delivers higher water production efficiency with its high flux and stable operation. This product has established a leading position in seawater desalination and serves as an ideal solution for large-scale desalination projects, including power plant boiler feed water production and other industrial applications.

Performance Parameters

Permeate Flow:	1850 gpd(7.0m ³ /d)
Salt rejection:	99.6%
Test conditions:	30000 mg/L NaCl solution 77 F(25°C) Operating Temperature 800 psi (5.52Mpa) Applied Pressure 8% 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)	1.04(26.5)	0.75(19.1)	3.9(99)

Item	Specification
Configuration	Spiral Wound
Membrane Polymer	Composite Polyamide
Membrane Active Area	80ft ² (7.4m 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:	1000 psi (6.9 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.