

## FFM8040HR-440

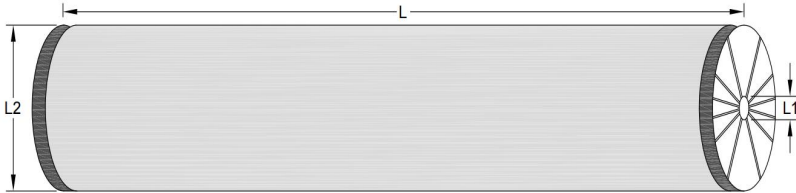
FFM's high-rejection RO membrane series is engineered specifically for brackish and saline water desalination, offering low operating pressure, exceptional salt rejection (>99.6%), strong fouling resistance, and stable performance. Ideal for waters with salinity below 5,000 ppm—including well and surface water—these membranes serve drinking water systems, ion exchange pre-treatment, and industrial applications such as power plant boiler feedwater, high-salinity wastewater treatment, and beverage production.

### Performance Parameters

Permeate Flow:	12500 gpd(47.3m <sup>3</sup> /d)
Salt rejection:	99.6%
Test conditions:	2000 mg/L NaCl solution 77 F(25°C) Operating Temperature 225 psi (1.55Mpa) 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.