



Product Data Sheet-Reverse Osmosis Membranes

Core Filtration, Clear Solutions

FFM8040GHR-440

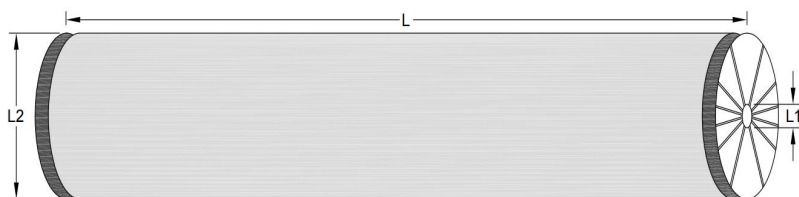
FFM's general high recovery RO membrane series serves users seeking energy-efficient water production and replacement projects requiring lower energy consumption. Featuring low operating pressure, robust fouling resistance, and consistent high-quality output, these membranes handle feed waters with <2000ppm salinity including wells and surface sources. Ideal applications: drinking water purification, pre-desalination, industrial pure water systems, power plant boiler feed, beverage production, and brackish water treatment.

Performance Parameters

Permeate Flow:	13000 gpd(49.3m ³ /d)
Salt rejection:	99.3%
Test conditions:	2000 mg/L NaCl solution
	77 F(25°C) Operating Temperature
	150 psi (1.03Mpa) 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 ² (41m 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.