ULTRAMAR WATER

FLEXIBILITY MEETS SUSTAINABILITY

4″ Spiral Wound Nanofiltration Elements

Description:

Low Pressure, High Productivity:
Low pressure application for nanofiltration

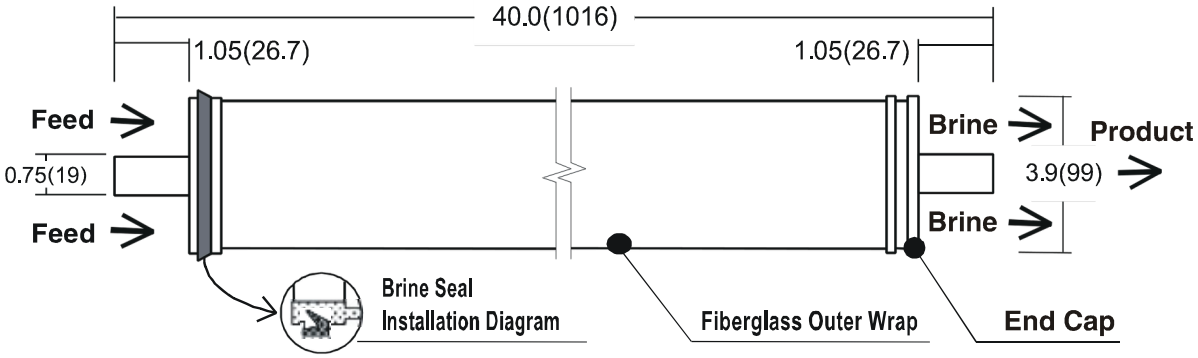
Specifications:

Model	Permeate Flow GPD(m^3/day)	Active Membrane Area ft^2(m^2)	Stabilized Salt Rejection	M inimum Salt Rejection	Feed spacer mil(mm)	Test Conditions
NF-4040-HF	2100 （ 8 ）	90(8.4)	95%	93%	28(0.7)	30psi/2000ppm MgSO4
	2500 （9）		15~20%			30psi/500ppm CaCl2

1. All performance data are collected at 25℃ (77°F), pH7.5 and 15% recovery rate.
2. Permeate flows for single element may vary ±15%.

Element Dimension:

* Unit: Inch (mm)
  1 inch= 25.4 mm



Operating Limits for Design:

Maximum Operating Temperature…….…….…….…… 45°C(113°F)
Maximum Operating Pressure…….…….…….…….. 600psi(41bar)
Maximum Pressure Drop (single element)…….…… 15psi(1.0bar)
pH Range for Continuous Operation…….…….…….. 3-10
pH Range for Cleaning…….…….…….…….. 2-11
Chlorine tolerance…….…….…….…….. <0.1ppm
Maximum Feed SDI…….…….…….…….. 5