ULTRAMAR WATER

FLEXIBILITY MEETS SUSTAINABILITY

8″ Fouling Resistant Spiral Wound Elements

Description:

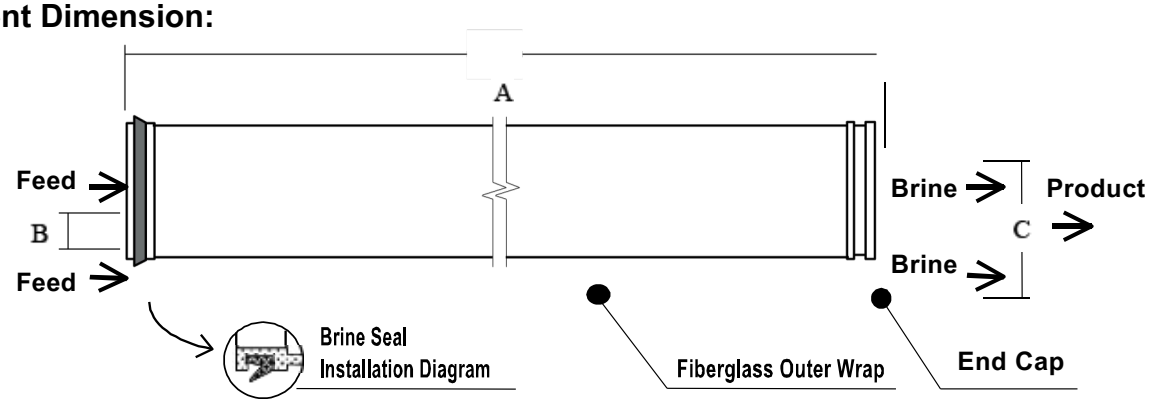
Low Pressure, High Productivity: The FR type membrane surface is more hydrophilic due to the special treatment. It is specially designed for water treatment against biological and organic fouling. With build-in FR properties, this model of elements allows for effective cleaning, renewing active membrane surface thus extending the service life in the tough water conditions.

Specifications:

Model	Permeate Flow GPD(m^3/day)	Active Membrane Area ft^2(m^2)	Stabilized Salt Rejection	Minimum Salt Rejection	Feed spacer mil(mm)	Test Conditions
FR-8040-400(34)	10500(40)	400(37)	99.6%	99.4%	34(0.85)	225psi/2000ppm NaCl

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

Element Dimension:



Product FR-8040-400(34)	Dimensions – Inches (mm)		
	A	B	C
	40.0 (1016)	1.125 (29)	7.9 (201)

* 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…….…….. 2-11
pH Range for Cleaning…….…….. 1.2-12
Chlorine tolerance…….…….. <0.1ppm
Maximum Feed SDI…….…….…….…… 5