ULTRAMAR WATER

FLEXIBILITY MEETS SUSTAINABILITY

8″ Acid-resisting Spiral Wound Nanofiltration Elements

Description:

Acid-resisting (pH=0)

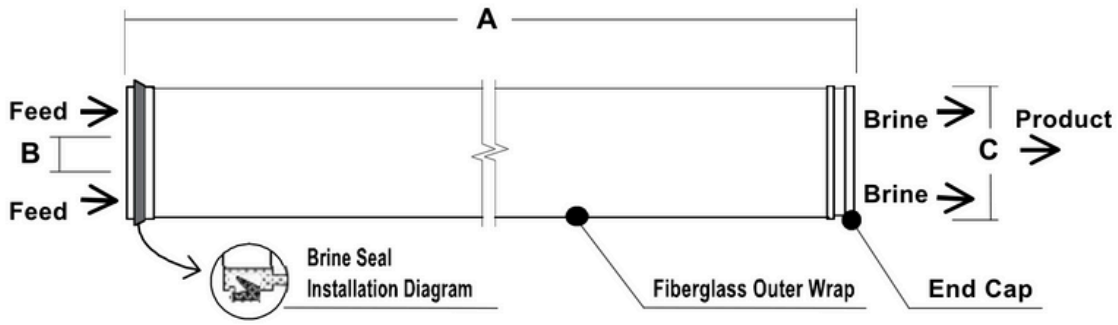
Application for lithium extraction and acid recovery

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-8040-AR (34)	7000 (26.5)	370(34)	95%	93%	34(0.85)	110psi/2000ppm MgSO4

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:



Product	Dimensions – Inches (mm)		
	A	B	C
NF-8040-AR (34)	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……..... 0-11
pH Range for Cleaning……..…….. 0-12
Chlorine tolerance…….. <0.1ppm
Maximum Feed SDI…….....…… 5