

8" Fouling Resistant Spiral Wound Elements

Description:

Low Pressure, High Productivity:

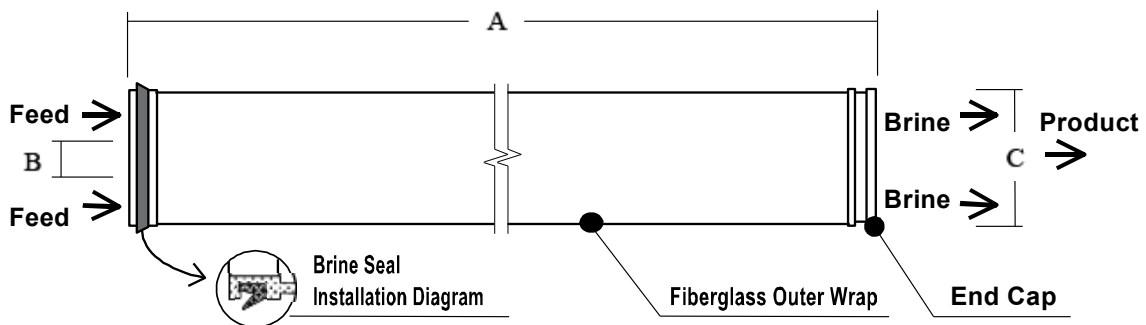
The FR type membrane surface is more hydrophilic due to the special treatment. It is specially designed for water treatment against biological and organic fouling. With build-in FR properties, this model of elements allows for effective cleaning, renewing active membrane surface thus extending the service 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°C (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 |
| FR-8040-400(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..... | 2-11 |
| pH Range for Cleaning..... | 1.2-12 |
| Chlorine tolerance..... | <0.1ppm |
| Maximum Feed SDI..... | 5 |

