

## 8" Fouling Resistant Spiral Wound Elements

### Description:

Low Pressure, High Productivity:

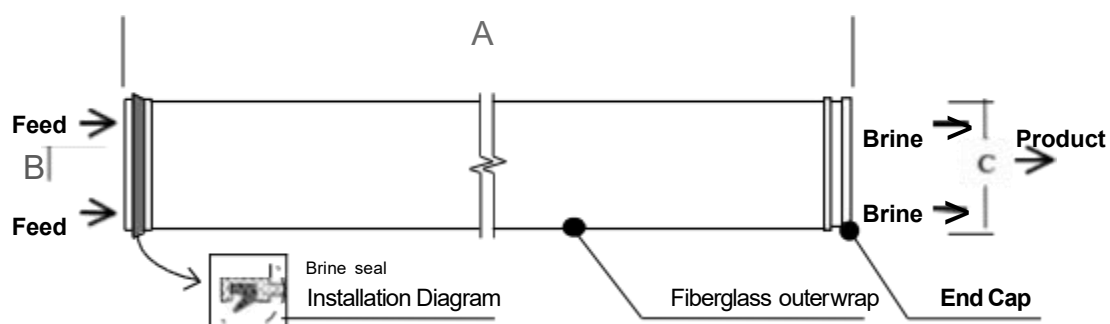
The FR type membrane surface is more hydrophilic due to the special treatment. It is specially designed for water treatment against biological and organic fouling. With build-in FR properties, this model of elements allows for effective cleaning, renewing active membrane surface thus extending the service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

### Specifications:

| Model       | Permeate Flow<br>GPD(m <sup>3</sup> /day) | Active Membrane<br>Area ft <sup>2</sup> (m <sup>2</sup> ) | Stabilized<br>Salt Rejection | Minimum<br>Salt Rejection | Feed spacer<br>mil(mm) | Test Conditions     |
|-------------|-------------------------------------------|-----------------------------------------------------------|------------------------------|---------------------------|------------------------|---------------------|
| FR-8040-400 | 10500(40)                                 | 400(37)                                                   | 99.6%                        | 99.5%                     | 28(0.7)                | 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 | 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             |

