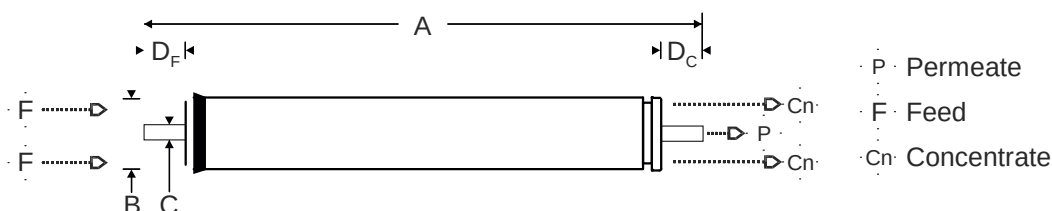




|                                                |                                         |                                          |                                            |                           |                                           |
|------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------|---------------------------|-------------------------------------------|
| Type                                           | Configuration:<br>Spiral Wound          |                                          | Membrane Polymer:<br>Composite Polyamide   |                           | Brine Spacer Material:<br>Polypropylene   |
| Specifications                                 | Permeate Flow:<br>140 gpd<br>(0,5 m³/d) |                                          | Stabilized Salt Rejection:<br>>97%         |                           | Nominal Membrane Area:<br>6ft²<br>(0,6m²) |
| Test Conditions<br>(After 30 min of operation) | Solution<br>MgSO₄<br>2000 ppm           | Applied Pressure:<br>70 psi<br>(4.8 bar) | Operating Temperature:<br>77 °F<br>(25 °C) | Permeate Recovery:<br>10% | pH Range:<br>6,5 ÷ 7,0                    |

## Dimensions

| A<br>Total Length         | B<br>ATD Diameter     | C<br>Connection Diameter | D <sub>F</sub><br>Core Tube Extension<br>Feed Side | D <sub>C</sub><br>Conc. Side | Weight             |
|---------------------------|-----------------------|--------------------------|----------------------------------------------------|------------------------------|--------------------|
| 14.0 inches<br>(355.6 mm) | 2.4 inches<br>(61 mm) | 0.75 inches<br>(19,1 mm) | 1.2 inches<br>(30,5 mm)                            | 1.2 inches<br>(30,5 mm)      | 1 lbs<br>(0,45 Kg) |



## Maximum Operating Limits

| Operating Pressure<br>Fiberglassed | Operating Pressure<br>Tape Wrapped | Temperature       | Pressure Drop       | Feed Flow         | Chlorine Concentration | Feedwater SDI (15min) | Feedwater Turbidity |
|------------------------------------|------------------------------------|-------------------|---------------------|-------------------|------------------------|-----------------------|---------------------|
| 600 psi<br>(41,4 bar)              | 300 psi<br>(20,7 bar)              | 113 °F<br>(45 °C) | 10 psi<br>(0,7 bar) | 6 gpm<br>(23 lpm) | <0,1 ppm               | 5,0                   | 1,0 NTU             |

## Other Operating Limits

| Feedwater pH | Minimum ratio of concentrate to permeate flow for any element |
|--------------|---------------------------------------------------------------|
| 3,0 ÷ 10,0   | 5:1                                                           |

The limitations shown in Operating Limits are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

**Notice:** Minimum permeate flow for individual elements 20 percent below listed flow. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite.

**Guidelines:** Permeate obtained from first hour of operation should be discarded.

Avoid static permeate-side backpressure at all times.

These membranes may be subject to drinking water application restrictions in some countries: please check the application status before use and sale.

For element loading use only silicon or glycerine to lubricate o-rings and brine seal.

The customer is fully responsible for the effects of incompatible chemicals on elements. The presence of free chlorine and other oxidizing agents will cause membrane failure, the damage is not covered under warranty.

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