



### Type

Configuration:  
Spiral Wound

Membrane Polymer:  
Composite Polyamide

Brine Spacer Material:  
Polypropylene

### Specifications

| Permeate Flow:                      |                                      | Stabilized Salt Rejection: |           | Nominal Membrane Area:                    |
|-------------------------------------|--------------------------------------|----------------------------|-----------|---|
| MgSO <sub>4</sub>                   | NaCl                                 | MgSO <sub>4</sub>          | NaCl      |   |
| 2500 gpd<br>(9,5 m <sup>3</sup> /d) | 3000 gpd<br>(11,4 m <sup>3</sup> /d) | >97%                       | 45 - 55 % | 85ft <sup>2</sup><br>(7,9m <sup>2</sup> ) |

### Test Conditions

(After 30 min of operation)

| Solution:         |         | Applied Pressure:   | Operating Temperature: | Permeate Recovery: | pH Range: |
|-------------------|---------|---------------------|------------------------|--------------------|-----------|
| MgSO <sub>4</sub> | NaCl    |                     |                        |                    |           |
| 2000 ppm          | 500 ppm | 70 psi<br>(4,8 bar) | 77 °F<br>(25 °C)       | 15%                | 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            |
|--------------------------|---------------------------|--------------------------|--|------------------------------|-------------------|
| 40.0 inches<br>(1016 mm) | 3.95 inches<br>(100,3 mm) | 0.75 inches<br>(19,1 mm) | 1.05 inches<br>(26,7 mm)                           | 1.05 inches<br>(26,7 mm)     | 8 lbs<br>(3,6 Kg) |



### Maximum Operating Limits

| Operating Pressure    |                       | Temperature       | Pressure Drop       | Feed Flow                         | Chlorine Concentration | Feedwater SDI (15min) | Feedwater Turbidity |
|-----------------------|-----------------------|-------------------|---------------------|-----------------------------------|------------------------|-----------------------|---------------------|
| Fiberglassed          | Tape Wrapped          |                   |                     |                                   |                        |                       |                     |
| 600 psi<br>(41,4 bar) | 300 psi<br>(20,7 bar) | 113 °F<br>(45 °C) | 10 psi<br>(0,7 bar) | 16 gpm<br>(3,6 m <sup>3</sup> /h) | <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:** Permeate flow for individual elements may vary +35 or -20 percent. 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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