



## Type

Configuration:  
Spiral Wound

Membrane Polymer:  
Composite Polyamide

Brine Spacer Material:  
Polypropylene

## Specifications

Permeate  
Flow:  
1000 gpd  
(3,78 m<sup>3</sup>/d)

Salt  
Rejection:  
99,4% nominal  
(99,2% minimum)

Nominal Membrane  
Area:  
45ft<sup>2</sup>  
(4,2m<sup>2</sup>)

## Test Conditions

(After 30 min of operation)

Solution  
NaCl  
1500 ppm

Applied  
Pressure:  
150 psi  
(10,3 bar)

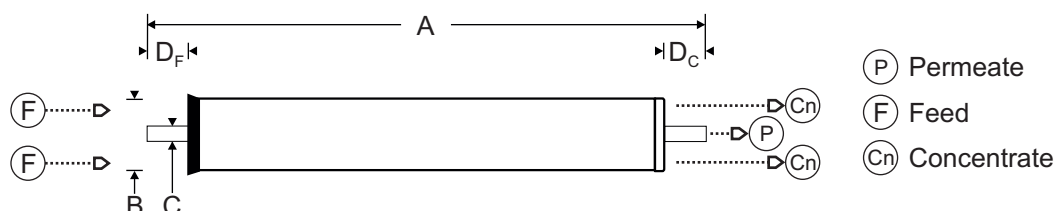
Operating  
Temperature:  
77 °F  
(25 °C)

Permeate  
Recovery:  
10%

pH  
Range:  
6,5 ÷ 7,0

## Dimensions

| A<br>Total<br>Length      | B<br>ATD<br>Diameter      | C<br>Connection<br>Diameter | D <sub>F</sub><br>Core Tube<br>Feed Side | D <sub>C</sub><br>Core Tube<br>Conc. Side | Weight            |
|---------------------------|---------------------------|-----------------------------|--|---|-------------------|
| 21.0 inches<br>(533,4 mm) | 3.95 inches<br>(100,3 mm) | 0.75 inches<br>(19,1 mm)    | 1.2 inches<br>(30,5 mm)                  | 1.2 inches<br>(30,5 mm)                   | 4 lbs<br>(1,8 Kg) |



## Maximum Operating Limits

| Operating Pressure<br>Tape Wrapped | Temperature       | Pressure<br>Drop    | Feed<br>Flow         | Chlorine<br>Concentration | Feedwater<br>SDI (15min) | Feedwater<br>Turbidity |
|------------------------------------|-------------------|---------------------|----------------------|---------------------------|--------------------------|------------------------|
| 300 psi<br>(20,7 bar)              | 113 °F<br>(45 °C) | 10 psi<br>(0,7 bar) | 12 gpm<br>(45,4 lpm) | <0,1 ppm                  | 5,0                      | 1,0 NTU                |

## Other Operating Limits

Feedwater  
pH  
3,0 ÷ 10,0

Minimum ratio of concentrate to  
permeate flow for any element  
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 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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