OLTREMARE
LIQUID SEPARATION

Model NANO9-8040

Ultra Low Energy, Excellent Ion Selective - Nanofiltration Element

Type

Configuration:	Membrane Polymer:	Brine Spacer Material:
Spiral Wound	Composite Polyamide	Polypropylene

Specifications

Permeate Flow:		Stabilized Salt Rejection:		Nominal Membrane Area:
$MgSO_4$	NaCl	$MgSO_4$	NaCl	
9500 gpd *(36 m^3/d)*	11800 gpd *(44,7 m^3/d)*	>97%	89 - 95 %	400ft^2 *(37,2m^2)*

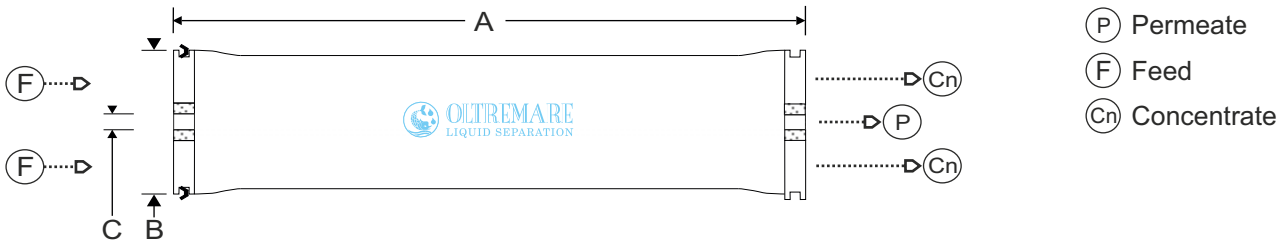
Test Conditions

(After 30 min of operation)

Solution:		Applied Pressure:	Operating Temperature:	Permeate Recovery:	pH Range:
$MgSO_4$	NaCl				
2000 ppm	500 ppm	70 psi *(4,8 bar)*	77 °F *(25 °C)*	15%	6,5 ÷ 7,0

Dimensions

A Total Length	B ATD Diameter	C Connection Int. Diameter	Weight
40.0 inches *(1016 mm)*	7.89 inches *(200 mm)*	1.125 inches *(28,6 mm)*	36 lbs *(16,4 Kg)*



Maximum Operating Limits

Operating Pressure	Temperature	Pressure Drop	Feed Flow	Chlorine Concentration	Feedwater SDI (15min)	Feedwater Turbidity
600 psi *(41,4 bar)*	113 °F *(45 °C)*	15 psi *(1,0 bar)*	75 gpm *(17,0 m^3/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 element may vary +35 or -20 percent. Element is vacuum sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite and 10% propylene glycol solution.Element is supplied with interconnector.

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.