OLTREMARE
LIQUID SEPARATION

Model NANO7-2540

Ultra Low Energy, Excellent Ion Selective - Nanofiltration Element

Type

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

Specifications

Permeate Flow: $MgSO_4$	Permeate Flow: NaCl	Stabilized Salt Rejection: $MgSO_4$	Stabilized Salt Rejection: NaCl	Nominal Membrane Area:
850gpd *(3,2 m^3/d)*	1020 gpd *(3,9 m^3/d)*	>97%	45 - 55 %	28ft^2 *(2,6m^2)*

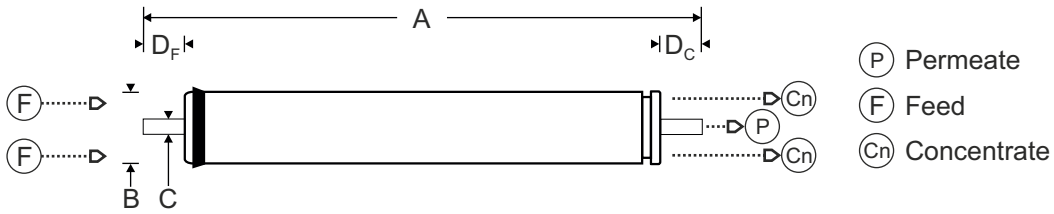
Test Conditions

(After 30 min of operation)

Solution: $MgSO_4$	Solution: NaCl	Applied Pressure:	Operating Temperature:	Permeate Recovery:	pH Range:
2000 ppm	500 ppm	70 psi *(4,8 bar)*	77 °F *(25 °C)*	10%	6,5 ÷ 7,0

Dimensions

A Total Length	B ATD Diameter	C Connection Diameter	D_F Core Tube Extension Feed Side	D_C Core Tube Extension Conc. Side	Weight
40.0 inches *(1016 mm)*	2.4 inches *(61 mm)*	0.75 inches *(19,1 mm)*	1.2 inches *(30,5 mm)*	1.2 inches *(30,5 mm)*	4 lbs *(1,8 Kg)*



Maximum Operating Limits

Operating Pressure Fiberglassed	Operating Pressure Tape Wrapped	Temperature	Pressure Drop	Feed Flow	Chlorine Concentration	Feedwater SDI (15min)	Feedwater Turbidity
600 psi *(41,4 bar)*	300 psi *(20,7 bar)*	113 °F *(45 °C)*	10 psi *(0,7 bar)*	6 gpm *(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.