MEMBRANE ELEMENT

NANO-400SR

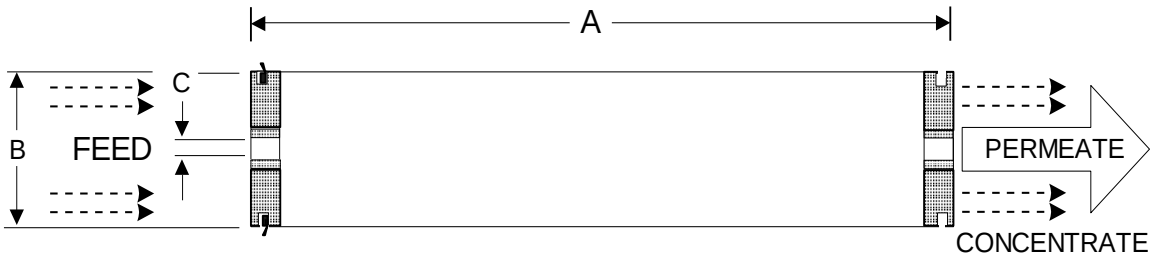
Sulfate Removal-Low Energy & Low Pressure Drop

SPECIFICATIONS

Nominal Membrane Area:	400 sq.ft
Permeate Flow:	11,000 gpd (41.6 m^3/d)
MgSO4 Rejection (Minimum):	99.8% (99,6%)
Chloride Rejection:	25%
Membrane Polymer:	Polyamide Thin-Film Composite
Feed Spacer thickness:	34 mil (0.864 mm)

The stated performance is based on the following conditions:

35,000 ppm NaCl, 8000 ppm MgSO4
200 psi (1.4 MPa) Applied Pressure
77 °F (25 °C) Operating Temperature
15% Permeate Recovery
pH 6.5 – 7.0
Nominal Flow 7,150 gpd (27 m3/d)



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.0 (1016)	7.89 (200)	1.125 (28.6)	33 (15)

OPERATING DATA

Maximum Applied Pressure:	600 psig (4.16 MPa)
Free Chlorine Tolerance:	< 0.1 ppm
Maximum Operating Temperature:	113 °F (45 °C)
Continuous pH Range (Cleaning):	3 – 9.5 (1 – 11.5)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	85 gpm (19.3 m^3/h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
Maximum Pressure Drop:	15 psi

NOTICE:
PERMEATE FLOW FOR AN INDIVIDUAL ELEMENT MAY VARY + OR - 15 PERCENT. ALL MEMBRANE ELEMENTS HAVE A BRINE SEAL, INTERCONNECTOR, AND O-RINGS IN A SEALED POLYETHYLENE PLASTIC BAG. USE GLYCERIN OR SILICON ONLY FOR LUBRICATION OF SEALS AND O-RINGS. ALWAYS AVOID STATIC PERMEATE BACKPRESSURE. WE OFFER DATA IN GOOD FAITH BUT WITHOUT GUARANTEE. PLEASE REFER TO THE APPLICATION INFORMATION LITERATURE ENTITLED OPERATION GUIDELINES FOR MORE INFORMATION BEFORE INSTALLING AND OPERATING THE ELEMENTS.

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