



MEMBRANE ELEMENT

NANO-4040SR

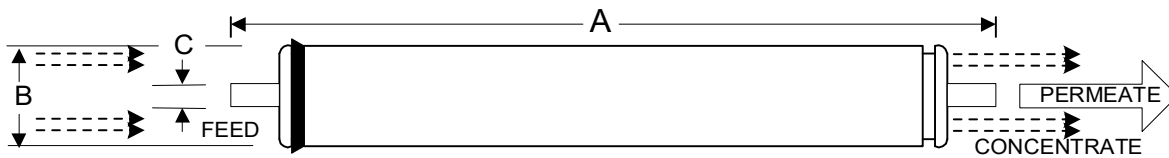
L⁴E™ Technology (Low Fouling • Low Pressure Drop • Low Energy • Low Sulfate Passage)

SPECIFICATIONS AND PRODUCT DESCRIPTION

Nominal Membrane Area:	80 sq.ft
Permeate Flow:	2,000 gpd
MgSO ₄ Rejection (Minimum):	99.8%
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)	3.9 (99)	0.75 (19)	8 (3.6)

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:	16 gpm (3.6 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
Maximum Pressure Drop:	15 psi

NOTICE: Permeate flow for individual membrane elements may vary by ±15% from the nominal specified value. Elements are supplied with a brine seal, interconnector, and O-rings in sealed polyethylene packaging. Use only glycerin or silicone-based lubricants for seals and O-rings. Static permeate back pressure must be always avoided. All information is provided in good faith without warranty of any kind, express or implied. Persalt assumes no liability for results obtained or damages arising from product use. The user is responsible for determining the suitability of the product for the intended application. Specifications are subject to change without notice.