



Membrane Element

ESNA1-LF-4040

Performance: Permeate Flow:

CaCl₂ Rejection*(Nominal):

 $1,750 \text{ gpd } (6.6 \text{ m}^3/\text{d})$ 89% 80%/95%

Spiral Wound

CaCl₂ Rejection (minimum/maximum) * Expected calcium rejection for a typical 500 ppm well water is 96% at 13 gfd operating flux and 25 C.

Type Configuration:

> Membrane Polymer: Composite Polyamide

85 ft²

Nominal Membrane Area:

Application Data* Maximum Applied Pressure: 600 psig (4.16 MPa)

Maximum Chlorine Concentration: < 0.1 PPM Maximum Operating Temperature: 113 °F (45 °C) Feedwater pH Range: 3.0 - 10.0Maximum Feedwater Turbidity: 1.0 NTU Maximum Feedwater SDI (15 mins): 5.0

Maximum Feed Flow: 16 GPM (3.6 m³/h)

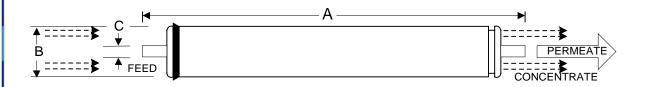
Minimum Ratio of Concentrate to

Permeate Flow for any Element: Maximum Pressure Drop for Each Element: 10 psi

Test Conditions

The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:

500 ppm CaCl₂ 75 psi (0.52 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 15% Permeate Recovery 6.5 - 7.0 Feed pH



A, inches (mm) 40.00 (1016)

B, inches (mm) 3.95 (100.3) C, inches (mm) 0.75 (19.1)

Weight, lbs. (kg) (3.6)

Core tube extension = 1.05" (26.7 mm)

Notice: Permeate flow for individual elements may vary + 34 or - 25 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium bisulfite solution, and then packaged in a cardboard box.

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^{*} The limitations shown here are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.