



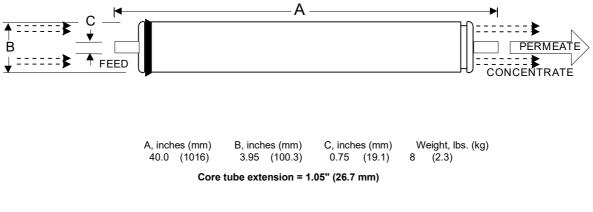
Membrane Element ESPA3-4040 Performance: 3000 gpd (11.4 m³/d) Permeate Flow: Salt Rejection: 98.5 % Type Configuration: Spiral Wound Membrane Polymer: **Composite Polyamide** Membrane Active Area: 85 ft² (7.9m²) **Application Data*** Maximum Applied Pressure: 600 psig (4.16 MPa) Maximum Chlorine Concentration: < 0.1 PPM 113 °F (45 °C) Maximum Operating Temperature: 3.0-10.0 pH Range, Continuous (Cleaning): Maximum Feedwater Turbidity: 1.0 NTU Maximum Feedwater SDI (15 mins): 5.0 Maximum Feed Flow: 16 GPM $(3.6 \text{ m}^3/\text{h})$ Minimum Ratio of Concentrate to Permeate Flow for any Element: 5:1 Maximum Pressure Drop for Each Element: 10 psi

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.

Test Conditions

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

1500 PPM NaCl solution 150 psi (1.05 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 15% Permeate Recovery 6.5 - 7.0 pH Range (Data taken after 30 minutes of operation)



Notice: Permeate flow for individual elements may vary +25 or - 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box. All elements are guaranteed 99.4% minimum rejection.

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