Membrane Element | ESPAB
---|---
**Performance** | 8,600 gpd (32.6 m³/d)
Permeate Flow: | 
Salt Rejection (minimum): | 99.0 %
Salt Rejection (nominal): | 99.2 %
Boron Rejection @ pH = 10: | 96.0 %

**Type** |
Configuration: | Spiral Wound
Membrane Polymer: | Composite Polyamide
Nominal Membrane Area: | 400 ft²

**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 - 10.0
Maximum Feedwater Turbidity: | 1.0 NTU
Maximum Feedwater SDI (15 mins): | 5.0
Maximum Feed Flow: | 75 GPM (17.0 m³/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.

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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