

## Model U-SHINE-8040-LP

High Rejection, Excellent Productivity - Low Pressure Element

Type	Configuration: Spiral Wound	Membrane Polymer: Composite Polyamide	Brine Spacer Material: Polypropylene		
Specifications	Permeate Flow: 10000 gpd (37.8 m <sup>3</sup> /d)	Salt Rejection: 99.0% nominal (98.5% minimum)	Nominal Membrane Area: 400ft <sup>2</sup> (37.2m <sup>2</sup> )		
Test Conditions (After 30 min of operation)	Solution NaCl 1500 ppm	Applied Pressure: 150 psi (1.03 MPa)	Operating Temperature: 25 °C (77 °F)	Permeate Recovery: 15%	pH Range: 6.5 ÷ 7.0

### Dimensions

A Total Length	B ATD Diameter	C Connection Int. Diameter
40.0 inches (1016 mm)	7.89 inches (200 mm)	1.125 inches (28.6 mm)



### Maximum Operating Limits

Operating Pressure	Temperature	Pressure Drop	Feed Flow	Chlorine Concentration	Feedwater SDI (15min)	Feedwater Turbidity
600 psi (4.14 MPa)	45 °C (113 °F)	15 psi (0.1 MPa)	75 gpm (17.0 m <sup>3</sup> /h)	<0.1 ppm	5.0	1.0 NTU

### Other Operating Limits

Allowed pH Range for Chemical Cleaning	Feedwater pH	Minimum ratio of concentrate to permeate flow for any element
1 - 13	2 - 11	5:1

The limitations shown in Operating Limits are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

Notice: Permeate flow for individual element may vary +15 or -15 percent. Element is vacuum sealed in a polyethylene bag. Element is supplied with interconnector.

Guidelines: Permeate obtained from first hour of operation should be discarded.  
 Avoid static permeate-side backpressure at all times.  
 These membranes may be subject to drinking water application restrictions in some countries: please check the application status before use and sale.  
 For element loading use only glycerine to lubricate o-rings and brine seal.

The customer is fully responsible for the effects of incompatible chemicals on elements. The presence of free chlorine and other oxidizing agents will cause membrane failure, the damage is not covered under warranty.  
 Ontoz believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. Ontoz assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of Ontoz's products for the user's specific end uses.  
 No performance warranties are given; all implied warranties of merchantability or fitness for a particular purpose are expressly excluded. Consult factory for detailed warranty information.  
 We reserve the right to modify or amend specifications without prior notice.