


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



The diagram illustrates the physical dimensions and flow characteristics of the membrane element. Dimension A represents the total length of the element, B is the axial thickness (ATD Diameter), and C is the internal diameter of the connection ports. The flow ports are labeled: F for Feed, P for Permeate, and Cn for Concentrate. The NANSHE logo is also present on the element's surface.

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 ³ /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.

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We reserve the right to modify or amend specifications without prior notice.