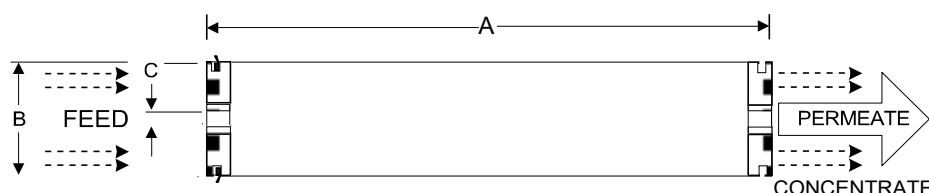


TSF05 SW-8040

General Product Description**

Configuration	Spiral Wound
Membrane Polymer	Composite Polyamide
Membrane Active Area**	400 ft ² (37.2 m ²)
Feed Spacer	34 mil (0.86 mm)
Boron Rejection (Typical):	90.0% ± 2

Packaging: 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.



Element Details**

A, inches (mm)	B, inches (mm)	C, inches (mm)
40.0 (1016)	7.89 (200)	1.125 (28.6)

**Values listed are indicative, not specified. For more detailed specifications, see our Technical Service Bulletin documents.

Specified Performance*

Permeate Flow:	9000 gpd (34.06 m ³ /d)
Salt Rejection:	99.85% (99.65% minimum)
Test Conditions:	32000 ppm NaCl solution
	800 psig (5.5 MPa) Applied Pressure
	77 °F (25 °C) Operating Temperature
	8% Permeate Recovery
	6.5 - 7.0 pH Range

*The Specified Performance is based on data taken after a minimum of 10 minutes of operation. Actual testing of elements may be done at conditions which vary from these exact values; in which case, the performance is normalized back to these standard conditions. Permeate flow for individual elements may vary ±15 percent from the value specified.

Product Use and Restrictions^

Maximum Applied Pressure:	1200 psig (8.3 MPa)
Maximum Chlorine Concentration:	< 0.1 ppm
Maximum Operating Temperature:	104 °F (45 °C)
pH Range, Continuous (Cleaning):	2-11 (1-13)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	75 gpm (17 m ³ /h)
Minimum Brine Flow:	12 gpm (2.7 m ³ /h)
Maximum Pressure Drop for Each Element:	15 psi (0.10 MPa)

^ The limitations shown here are for general use. For specified projects, operation at more conservative values may ensure the best performance and longest life of the membrane. See TASNEE WATER SOLUTIONS for more details.

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Rev: July 2026