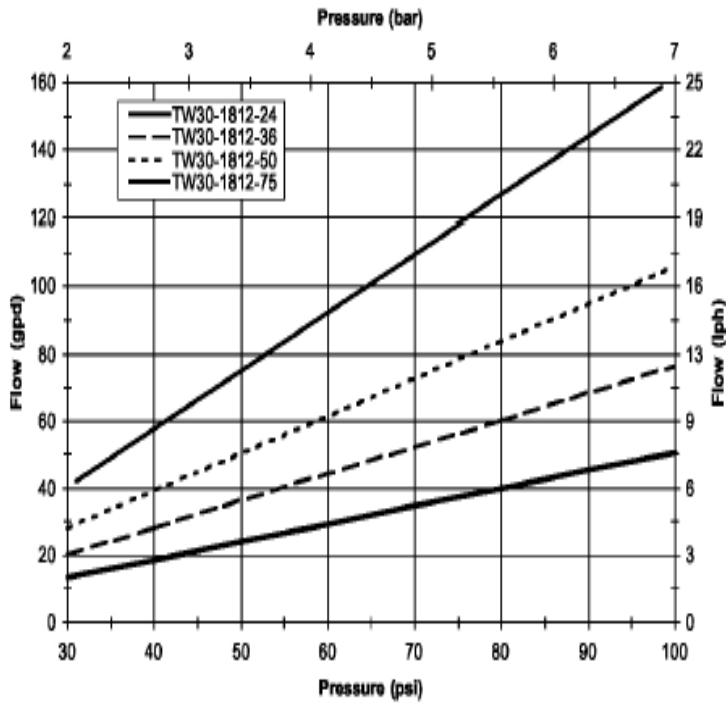
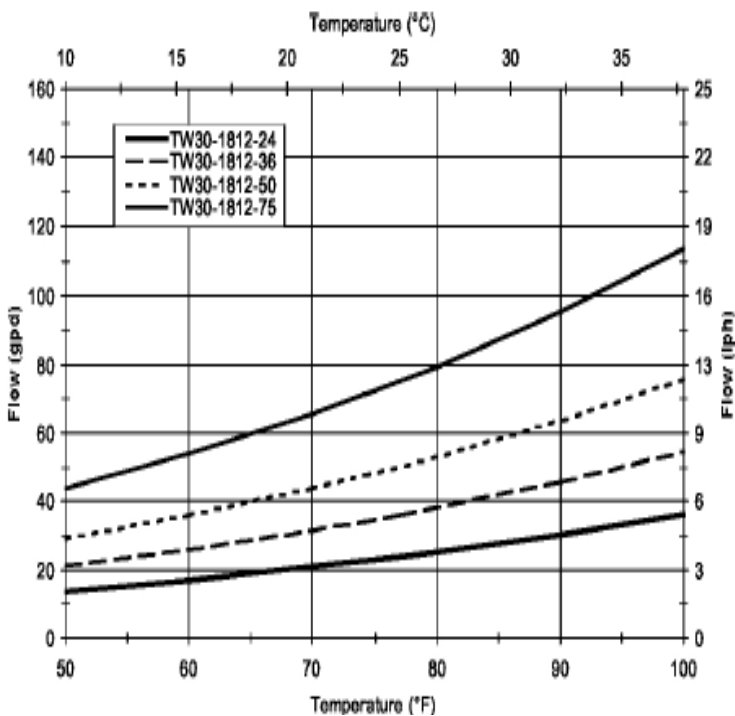


Impact of Pressure on Permeate Flow (constant temperature, recovery)



Impact of Temperature on Permeate Flow (constant pressure, recovery)

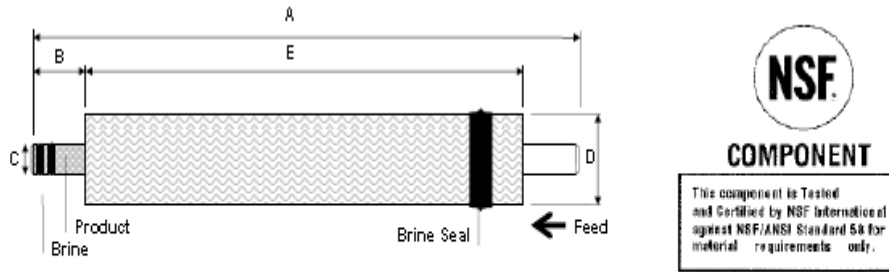


Product Specifications

Product	Applied Pressure psig (bar)	Permeate Flow Rate gpd (l/h)	Stabilized Salt Rejection (%)
TW30-1812-24	50 (3.4)	24 (3.8)	98
TW30-1812-36	50 (3.4)	36 (5.7)	98
TW30-1812-50	50 (3.4)	50 (7.9)	98
TW30-1812-75	50 (3.4)	75 (12)	98

1. Permeate flow and salt rejection based on the following test conditions: 250 ppm softened tap water, 77° F (25°C), 15% recovery and the specified applied pressure.
2. Minimum salt rejection is 96.0%.
3. Permeate flows for individual elements may vary +/-20%.

Figure 1



Dimensions – Inches (mm)	A	B	C	D	E
TW30-1812	11.74 (298)	1.17 (30)	0.68 (17)	1.75 (44.5)	9.4 (239)

Operating Limits

Membrane Type	Polyamide Thin-Film Composite
Maximum Operating Temperature	113° F (45°C)
Maximum Operating Pressure	150 psig (10 bar)
Maximum Feed Flow Rate	2.0 gpm (7.6 lpm)
pH Range, Continuous Operation ^a	2 – 11
Maximum Feed Silt Density Index (SDI)	5
Free Chlorine Tolerance ^b	< 0.1 ppm

a. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).

b. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, Dow recommends removing residual free chlorine by pretreatment prior to membrane exposure. Please refer to technical bulletin 608-22010 for more information.