



HM 1812-BWE-50 Brackish Water RO Element for Residential Application

Product Description

Membrane Type	:	Cross Linked Fully Aromatic Polyamide Composite
Construction	:	Spiral Wound Element
Application	:	Brackish Water

Model	Diameter Inches	Salt Rejection %	Product Flow Rate gpd (l/h)
HM 1812-BWE-50	1.8	95	50 (7.88)

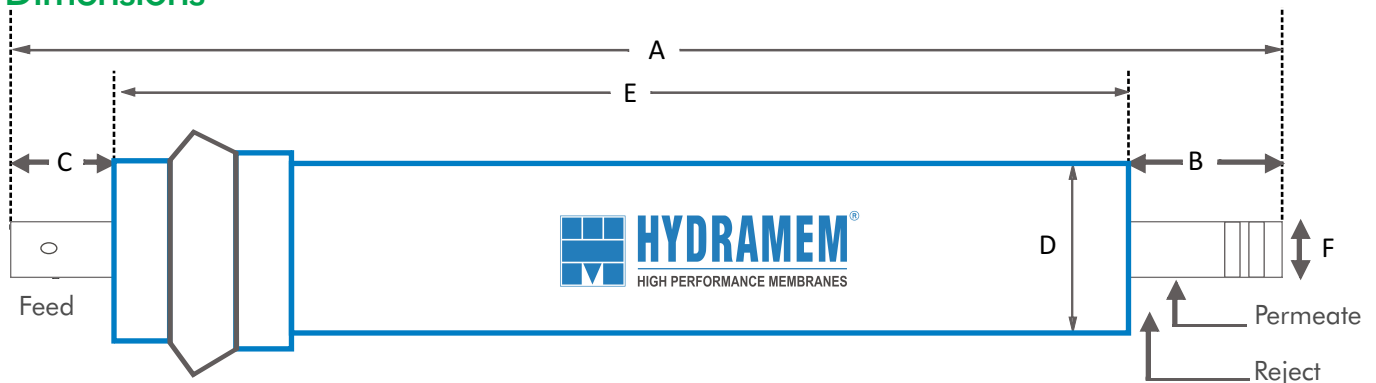
Test Conditions

Feed Water Pressure	:	75 psi (5.2 kg/cm ²)
Feed Water Temperature	:	77°F (25°C)
Feed Water Concentration	:	1000 ppm softened tap water
Recovery Rate	:	15%
Feed Water pH	:	6.5 - 7

Notes:

Minimum salt rejection is 90%
Permeate flow may vary +/-20%

Dimensions



A	B	C	D	E	F	Weight
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	lbs (kg)
11.74 (298)	0.91 (23)	0.59 (15)	1.8 (45.7)	10.23 (260)	0.66 (16.8)	0.46 (0.212)

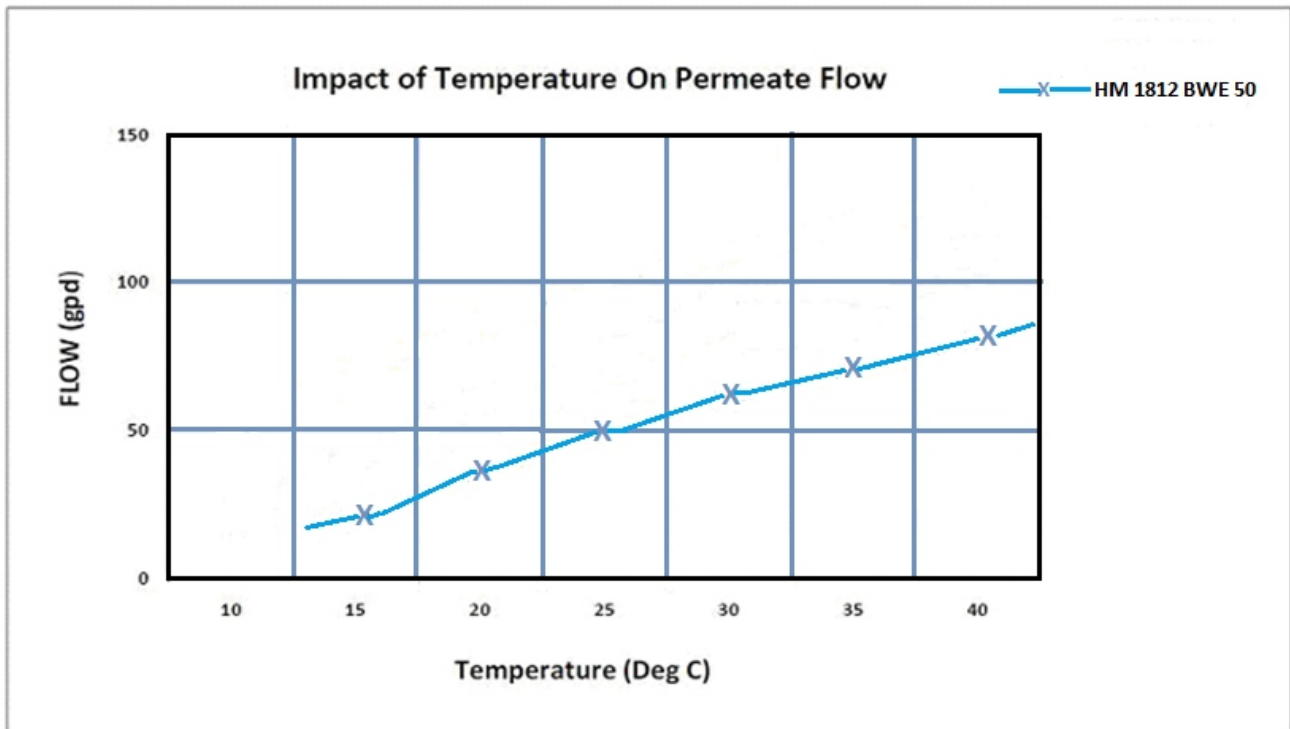
Operating Limits

Maximum Operating Pressure	:	150 psi (10.5 kg/cm ²)
Maximum Operating Temperature	:	104°F (40°C)
Maximum Cleaning Temperature	:	104°F (40°C)
Feed Water Chlorine Concentration	:	Not Detectable
Feed Water pH Range, Continuous Operation:		2 - 11
Maximum Feed Water SDI (15 Minute Test)	:	SDI < 3
Maximum Feed Turbidity	:	NTU < 1


Operating Information

1. Follow instructions mentioned on the caution sticker placed on product packaging.
2. The customer is fully responsible for the effects of chemicals that are incompatible with the elements.
3. For element loading, use only the recommended silicon lubricant. The use of petroleum based lubricant or vegetable based oils may damage the element irreversibly.
4. Membranes show some resistance to short-term attack by chlorine (Hypochlorite). Continuous exposure should be avoided as it may damage the membrane.

Impact of Temperature on Permeate Flow (Keeping Recovery and Pressure Constant)



To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd., maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch office for current product specifications.

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