



HM 8040-BWE-365 High Performance Brackish Water RO Element

Product Description

Membrane Type	:	Cross Linked Fully Aromatic Polyamide Composite
Construction	:	Spiral Wound Element
Application	:	Brackish Water
Feed Spacer	:	34 mil (0.864 mm) with modified geometry

Model	Diameter Inches	Active Surface Area Ft ² (m ²)	Salt Rejection %	Product Flow Rate gpd (l/h)
HM 8040-BWE-365	8.0	365 (33.9)	99.6	10000 (1577)

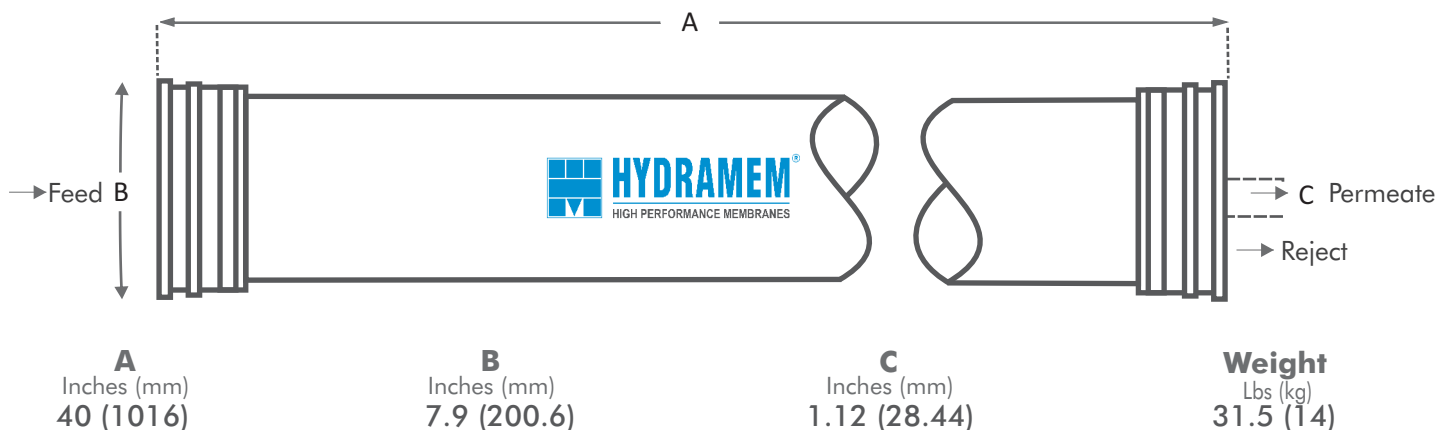
Test Conditions

Feed Water Pressure	:	225 psi (15.8 kg/cm ²)
Feed Water Temperature	:	77°F (25°C)
Feed Water Concentration	:	2000 ppm NaCl Solution
Recovery Rate	:	15%
Feed Water pH	:	6.5 - 7

Notes:

Minimum salt rejection is 99.5%
Permeate flow may vary +/- 15%
Membrane active area variation – +/- 2

Dimensions



All Membrane Elements are supplied with a brine seal, interconnector and O rings

Operating Limits

Maximum Operating Pressure	:	600 psi (42.1 kg/cm ²)
Maximum Operating Temperature	:	113°F (45°C)
Feed Water Chlorine Concentration	:	<0.1 ppm
Feed Water pH Range, Continuous Operation	:	2-11
Feed Water pH Range, Chemical Cleaning	:	1-13
Maximum Feed Water SDI (15 Minute Test)	:	SDI ≤ 5
Maximum Feed Turbidity	:	NTU ≤ 1.0
Maximum Pressure Drop for each Element	:	15 psi

Operating Information

1. For the recommended design range, please consult the latest HYDRAMEM technical bulletin, design guidelines or call an application specialist. If the operating limits given in this product information bulletin are not strictly followed, the limited warranty will be null and void
2. Follow instructions mentioned on the caution sticker placed on product packaging.
3. The customer is fully responsible for the effects of chemicals that are incompatible with the elements.
4. For element loading, use only the recommended silicon lubricant. The use of petroleum based lubricant or vegetable based oils may damage the element irreversibly.
5. Membranes shows some resistance to short-term attack by chlorine (Hypochlorite). Continuous exposure should be avoided as it may damage the membrane.

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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ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road,
Mahalaxmi, Mumbai 400 011
Tel: +91 22 3989 0909
Fax: +91 22 2493 8737
E-mail: ieil@ionexchange.co.in

International Division

R-14, T.T.C MIDC, Thane - Belapur Road,
Rabale, Navi Mumbai 400 701
Tel: +91 22 3989 0909 / 3913 2400
Fax: +91 22 2769 7918
E-mail: export.sales@ionexchange.co.in

OFFICES

Regional	Telephone	Fax	E-mail
Chennai	+91 44 3989 0909 / 3910 2900	+91 44 2815 3361	checro@ionexchange.co.in
Delhi	+91 11 3989 0909 / 3054 3200	+91 11 2577 4837	delcro@ionexchange.co.in
Kolkata	+91 33 3989 0909 / 3043 3400	+91 33 2400 4345	calcro@ionexchange.co.in
Vashi	+91 22 3989 0909 / 3913 2300	+91 22 2788 9839	mumcro@ionexchange.co.in
Branch			
Bengaluru	+91 80 2204 2888	+91 80285 32002	bngcro@ionexchange.co.in
Bhubaneswar	+91 674 326 9525 / 257 1491		bbsr@ionexchange.co.in
Chandigarh	+91 172 274 5011	+91 172 274 4594	delcro@ionexchange.co.in
Hyderabad	+91 40 3066 3101 / 02 / 03	+91 40 3066 3104	hydcro@ionexchange.co.in
Lucknow	+91 522 319 9911	+91 11 2577 4837	lko.general@ionexchange.co.in
Vadodara	+91 265 302 7489 / 90	+91 265 2352 932	brdcro@ionexchange.co.in
Visakhapatnam	+91 891 324 6253		sales.vizag@ionexchange.co.in

Factories: Ankleshwar | Hosur | Patancheru | Rabale | Verna

All India Service and Dealer Network

www.hydrmem.com