



HM 8040 NFE 9840 High Performance Nano Filtration Element

Product Description

Membrane Type	:	Piperazine Based
Construction	:	Spiral Wound Element
Application	:	Bivalent and Polyvalent Ion Removal
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 NFE 9840	8.0"	400 (37.16)	98	8000 (1261.80)

Test Conditions

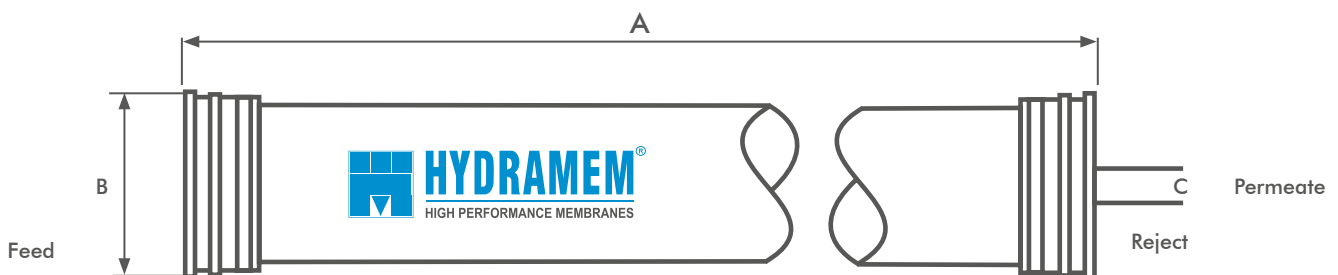
Feed Water Pressure	:	110 psi (10.5 kg/cm ²)
Feed Water Temperature	:	77°F (25°C)
Feed Water Concentration	:	2000 ppm MgSO ₄ Solution
Recovery Rate	:	15%
Feed Water pH	:	8

Note:

Typical NaCl Rejection 40%

Permeate flow may vary +/-20%

Dimensions



A	B	C	Weight
Inches (mm)	Inches (mm)	Inches (mm)	lbs (kg)
40 (1016)	8 (203.2)	1.125 (28.57)	32.0 (14.5)


Operating Limits

Maximum Operating Pressure	:	600 psi (42 kg/cm ²)
Maximum Operating Temperature	:	113°F (45°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 < 5
Maximum Feed Turbidity	:	NTU < 1
Maximum Feed Flow	:	75 gpm (17 m ³ /hr)
Maximum Pressure Drop	:	10 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. Their use will void Limited Warranty.
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 may damage the membrane and should be avoided

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 specification.

 is the registered trademark of Ion Exchange (India) Ltd.



ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road, Mahalaxmi,
Mumbai - 400011 | Tel: +91 22 6231 2000
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 6857 2400
E-mail: export.sales@ionexchange.co.in

Regional and Branch Offices

Bengaluru | Bhubaneswar | Chandigarh | Chennai
Delhi | Hyderabad | Kolkata | Lucknow | Vadodara
Vashi | Visakhapatnam

Overseas Offices

Bangladesh | Canada | Indonesia | Kenya
Malaysia | Oman | Portugal | Saudi Arabia | Singapore
South Africa | Sri Lanka | Tanzania | Thailand | UAE | USA

Manufacturing Units

India - Ankleshwar | Hosur | Patancheru | Rabale | Verna | Wada

Overseas - Bangladesh | Indonesia | Saudi Arabia | UAE

All India Service and Dealer Network

www.ionexchangeglobal.com | www.hydradem.com

