



HM 8040 NFE 9620 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 9620 | 8.0" | 400 (37.16) | 96 | 8000 (1261.80) |

Test Conditions

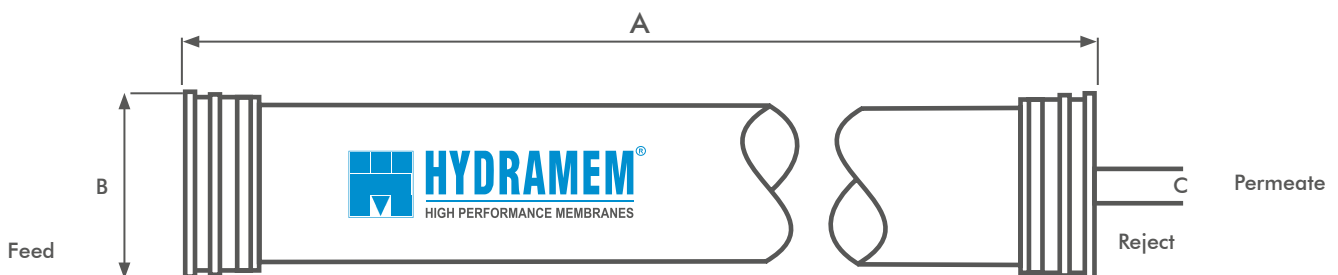
| | | |
|--------------------------|---|-------------------------------------|
| Feed Water Pressure | : | 110 psi (7.73 kg/cm ²) |
| Feed Water Temperature | : | 77°F (25°C) |
| Feed Water Concentration | : | 2000 ppm MgSO ₄ Solution |
| Recovery Rate | : | 15% |
| Feed Water pH | : | 8 |

Note:

Typical NaCl rejection 20%

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.

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