HYDRAMEM®
REVERSE OSMOSIS MEMBRANES

ION EXCHANGE
Refreshing the Planet

High Performance Ultra Filtration Element.

Product Description

Membrane Type: Polyethersulfone

Construction : Spiral Wound Element

Application : Food and Dairy Process

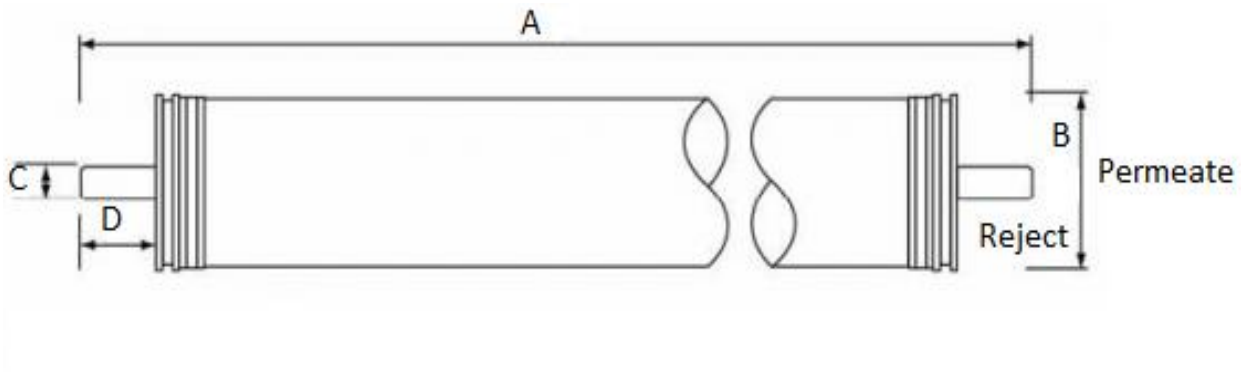
Feed Spacer : 34 mil(0.864 mm) with Modified Geometry.

Model	Diameter Inches	Active Surface Area Ft ^{2} (m^2)	Product Flow Rate gpd (l/h)
HM4040-UFE 10KD	4.0”	85 (7.89)	3000 (473.17)

Test Conditions:

Feed Water Pressure	30 psi (2.10 kg/cm^2)
Feed Water Temperature	77 ^{0}F (25 ^{0}C)
Feed Water	Clean Water
Recovery Rate	15%
Feed Water pH	7

Dimensions:



Model	A Inhes (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	Weight lbs (kg)
HM4040-UFE10KD	40 (1016)	4 (101.6)	0.75 (19.05)	1.18 (30)	8.28 (3.76)

Operating Limits

Maximum Operating Pressure:	300 psi (21.09 kg/cm^2)
Maximum Operating Temperature:	113 ^{0}F (45 ^{0}C)
Cleaning PH Range:	1 – 12.0
Cleaning Chlorine Tolerance:	200 ppm at PH $\geq$ 10.5
Maximum Pressure Drop:	1 Bar per Element 4 Bar per Housing
Maximum Feed Water SDI (15 Minute Test)	SDI < 5
Maximum Feed Turbidity	NTU < 1

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

CORPORATE OFFICE
Ion House, Dr. E. Moses Road, Mahalaxmi,
Mumbai 400 01
Tel: 022-3989 0909
Fax: 022-2493 8737
E-mail: ieil@ionexchange.co.in

INTERNATIONAL DIVISION
R-14, T.T.C MIDC, Thane-Belapur Road,
Rabale, Navi Mumbai 400 705
Tel: 022-3989 0909/3047 2400
Fax: 022-2769 7918
E-mail: rabcrointl@ionexchange.co.in
: export.sales@ionexchange.co.in

REGIONAL OFFICES

Chennai
Tel: 044-3989 0909/3910 2900
E-mail: checro@ionexchange.co.in
Fax: 044-2815 3361

Delhi
Tel: 011-3989 0909/3054 3200
E-mail: delcro@ionexchange.co.in
Fax: 011-2577 4837

Kolkata
Tel: 033-3989 0909/3043 3400
E-mail: calcro@ionexchange.co.in
Fax: 033-2400 4345

Vashi
Fax: 022-2788 9839
Tel: 022-3989 0909/3913 2300
E-mail: mumcro@ionexchange.co.in

BRANCH OFFICES

Vadodara
Tel: 0265-302 7489/90
E-mail: brdcro@ionexchange.co.in
Fax: 0265-239 8508

Chandigarh
Tel: 0172-274 5011
E-mail: delcro@ionexchange.co.in
Fax: 0172-274 4594

Hyderabad
Tel: 040-3066 3101/02/03
E-mail: hydcro@ionexchange.co.in
Fax: 040-3066 3104

Lucknow
Tel: 0522-301 3401/02
E-mail: luk.general@ionexchange.co.in
Fax: 0522- 301 3401

Vishakhapatnam
Tel: 0891-324 6253
E-mail: sales.vizag@ionexchange.co.in

Bhubaneshwar
Tel: 0674-326 9525
E-mail: bbsr@ionexchange.co.in

Bengaluru
Tel: 080-2204 2888
E-mail: bngcro@ionexchange.co.in:

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The ***HYDRAMEM***® range of RO Membranes are produced in the company's state-of-the art ISO 9001 certified manufacturing facility at Verna, Goa, India.

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