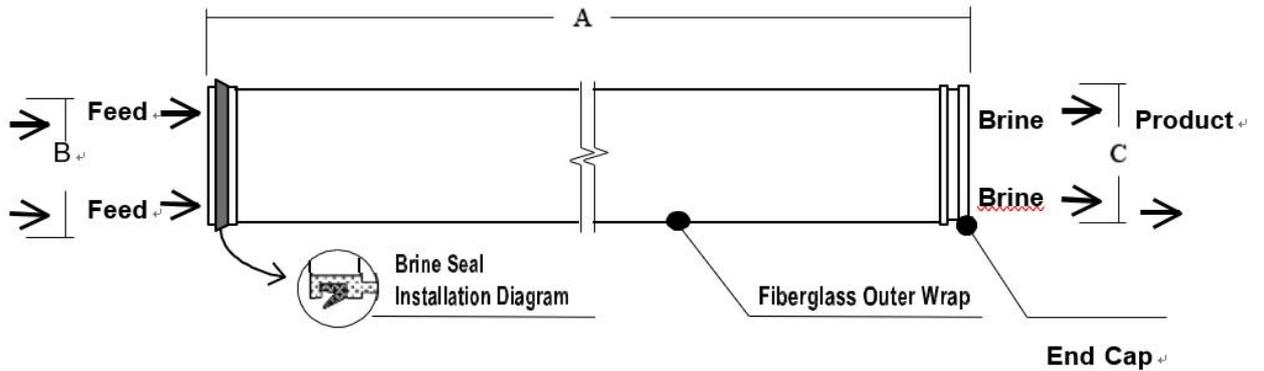


# Description of MR 8040 Spiral Wound Elements



## Element Dimension:

Unit: Inch (mm)  
1 inch= 25.4 mm

型号	A	B	C
MR-8040	1016.0 (40.0)	29.0 (1.1)	200 (7.9)

## Classification

1. Membrane area classification:

### Active Membrane Area (m<sup>2</sup>)

MR-8365: 34

MR-8400: 37

MR-8440: 41

2. Operating Pressure classification:

	Operating pressure	Salt rejection	Permeate Flow GPD(L/min)
LP- series	150	99	25-37
BW- series	225	99.5	24-36

Model	Permeate Flow GPD (m <sup>3</sup> /day)	Active Membrane Area ft <sup>2</sup> (m <sup>2</sup> )	Stabilized Salt Rejection	Feed spacer (mil)	Test Conditions
<b>BW-8040</b>	10500(40)	365(34)	99.5%	31	225psi/2000ppm NaCl
<b>LP-8040</b>	10500(40)	365(34)	99.5%	31	150psi/1500ppm NaCl
<b>ULP-8040</b>	10500(40)	365(34)	99.0%	31	110psi/1500ppm NaCl
<b>XLP-8040</b>	10500(40)	365(34)	97.0%	31	100psi/500ppm NaCl

1. All performance data are collected at 25°C (77°F), pH7.5 and 15% recovery rate.
2. Permeate flows for single element may vary ±15%.

### Operating Limits for Design:

Maximum Operating Temperature.....	45°C(113°F)
Maximum Operating Pressure.....	600psi(4.2Mpa)
Maximum Pressure Drop (single element).....	15psi(1.0bar)
pH Range for Continuous Operation.....	3-10
pH Range for Cleaning.....	2-11
Free Chlorine Concentration(mg/l).....	<0.1ppm
Maximum Feed SDI.....	5

### Notice:

1. The box used for storage the membranes, should be stored in ordinary temperature and avoid sunlight. If polythene bags are damaged, new protective fluid (Sodium Bisulfite) should be added to the bag, then sealed to avoid air drying and prevent biological growth.
2. The water need to be discharged one hour before the membrane work.
3. When storage, transportation and systems outage, the membrane element should soak in protective fluid, avoid biology multiplies and getfrozen. Standard storage liquid contains 1% weight Sodium Bisulfite and partial Sodium Bisulfite (food grade). If stored for a short period of time (within a week or a week), a 1% weight Sodium Bisulfite will prevent biological growth.
4. In winter, 10% of propylene glycol antifreeze is added to storage.
5. When the film get wet, it should always be moist.
6. The operating pressure must be equal to or less than the inflow / concentrated water pressure. Back pressure damage does not belong to protective range.