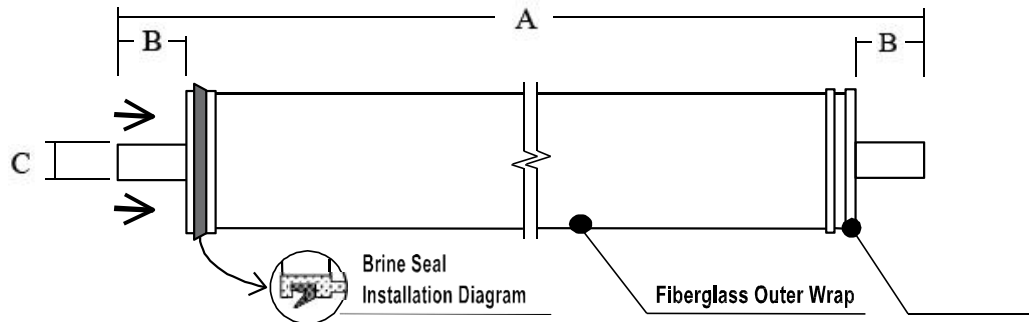


Description of MR 4" Spiral Wound Elements (BW/LP series)



Element Dimension:

Unit: Inch (mm)
1 inch= 25.4 mm

型号	A	B	C	D
4014	356.0 (14.0)	26.7 (1.05)	19.1 (0.75)	100.1 (3.94)
4021	533.4 (21.0)	26.7 (1.05)	19.1 (0.75)	100.1 (3.94)
4040	1016.0 (40.0)	26.7 (1.05)	19.1 (0.75)	100.1 (3.94)

Classification

1. Membrane area classification:

Active Membrane Area (m²)

MR-4014: 2

MR-4021: 3.3

MR-4040: 7.2

2. Operating Pressure classification:

	Operating pressure	Salt rejection	Filtration (micron)
LP- series	150	99	0.0001
BW- series	225	99.3	0.0001

Model	Permeate Flow GPD(m ³ /day)	Active Membrane Area ft ² (m ²)	Stabilized Salt Rejection	Feed spacer(mil)	Test Conditions
LP- 4014	750(2.9)	22(2.0)	99%	31	150psi/2000ppm NaCl
LP- 4021	1000(3.8)	36(3.3)	99%	31	150psi/2000ppm NaCl
LP- 4040	2500(9.5)	78(7.2)	99%	31	150psi/2000ppm NaCl
BW- 4014	550(2.1)	22(2.0)	99.3%	31	225psi/2000ppm NaCl
BW- 4021	900(3.4)	36(3.3)	99.3%	31	225psi/2000ppm NaCl
BW- 4040	2500(9.5)	78(7.2)	99.5%	31	225psi/2000ppm NaCl

1. All performance data are collected at 25°C (77°F), pH7.5
2. Permeate flows for single element may vary ±15%.
3. Minimum salt rejection is 99.0%.

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.