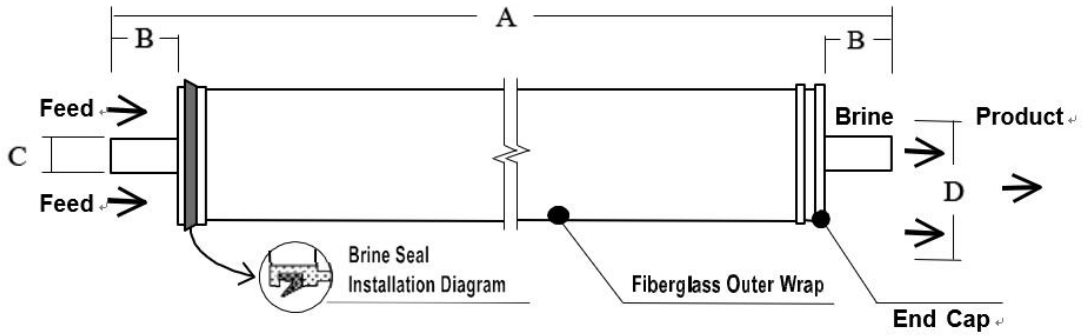
# 4” Spiral Wound Elements for Sea Water

## 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） |

## Specifications:

| Model | Permeate Flow GPD($m^3$/day) | Active Membrane Area $ft^2$($m^2$) | Stabilized Salt Rejection | Operating pressure（Mpa/Psi）Test Condition |
|---|---|---|---|---|
| **SW- 4014** | 500(1.8) | 22(2) | 99.7% | 6.9（1000） 800psi/32800ppm NaCl |
| **SW- 4021** | 750(2.8) | 33 (3.1) | 99.7% | 6.9（1000） 800psi/32800ppm NaCl |
| **SW- 4040** | 1400(5.3) | 85 (7.9) | 99.7% | 6.9（1000） 800psi/32800ppm NaCl |

## 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.