

# RS02-35F SPIRAL-WOUND NANOFILTRATION MEMBRANE ELEMENT

## Performance Characteristics

RS02-35F Nanofiltration Membrane Element adopts special composite membrane, which can permeate monovalent salts and stop bivalent and multivalent salts, also stop the neutral molecules with 150~300 Dalton molecular weight. It is widely used for dye removal, metal ions, heavy metal removal, sodium chloride infiltration, sugar separation, whey protein concentration and desalination, peptide concentration and desalination.

## Membrane Specifications

### Parameters of Membrane Element

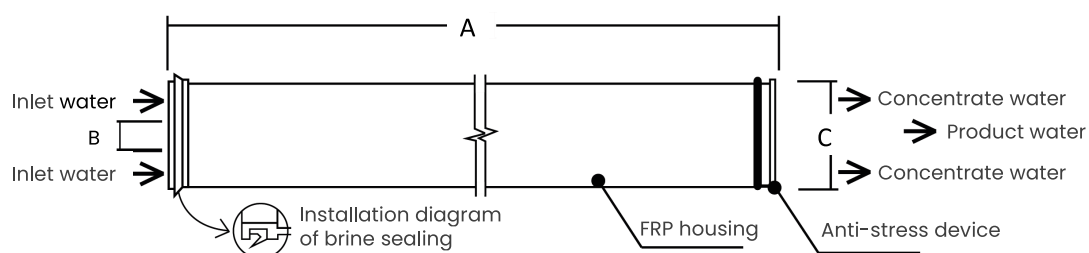
Model	Average Flow Rate gpd(m <sup>3</sup> /d)	Average Salt Rejection %	Test Conditions
RS02-35F	2000 (7.5)	98.0%	1

**Notes:** Average desalination rate will be measured after 24 hours operation. Flow fluctuation range of single membrane could be ±25%.

**Test condition 1:** 2000ppm of MgSO<sub>4</sub> solution, 110psi of operating pressure, 25°C of temperature, pH=7, 15% recovery rate.

## Schematic Diagram and Dimensions

Figure 1



Product model	Connector	Diameter, inch (cm)			Weight (KG)
		A	B	C	
4040	Male connector	40.00 (101.6)	0.75 (1.9)	3.9 (9.9)	6

## ↘ Operating Conditions

<b>Product Models</b>	RS02-35F
<b>Max Operating Pressure</b>	600psi
<b>Pressure Drop Of Single Membrane</b>	<12psi
<b>Recovery Rate</b>	15%
<b>Max Operating Temperature</b>	50°C
<b>Max Cleaning Temperature</b>	50°C
<b>Continuous Working PH Range</b>	3.0-9.0
<b>Cleaning PH Range</b>	2.0-10.5
<b>Max Allowable Residual Chlorine</b>	500ppm-h
<b>Inlet Water</b>	NTU<1, SDI<5

## ↘ Storage Conditions

- Before the first use, all membrane elements must be stored under the original packaging conditions.
- The transport temperature below 0°C may cause irreversible membrane damage, on the contrary, above 30°C may cause membrane degradation and deterioration of the protection solution.
- Store in a cool, dry condition and the place where is not directly exposed to sunlight. Storage temperature is kept between 0°C to 30°C, and the longest storage time is 6 months.

## ↘ General Information

- Once wetted, the membrane element must always be wet.
- The limited warranty we promised will expire due to the fact that the user does not strictly follow the operational restrictions and guidelines set forth in this Code.
- If the system is in a shut down state for a long time, the membrane element is advised to be placed in the protective solution to prevent the growth of microorganisms.
- If the user uses incompatible chemicals and lubricants to cause improper influence on the membrane elements, the user shall bear the corresponding responsibilities.
- The maximum allowable pressure drop of single pressure vessel is 60 psi (4.1bar).
- At no time can the back pressure be produced on the side of producing water to avoid the occurrence of bad problems.