



# **SRP SW 8040**

## High Quality Sea Water Reverse Osmosis Membrane



## SRP SW 8040

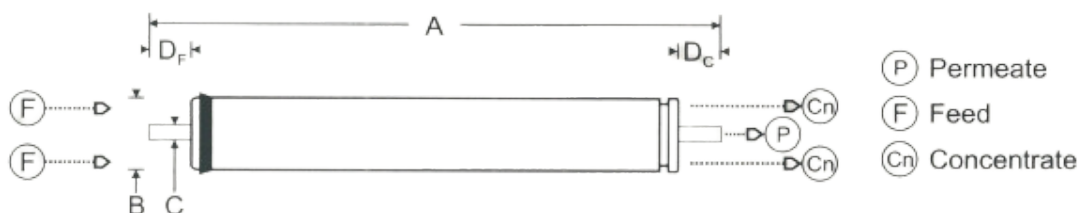
SRP SW Membrane is used for sea water desalination. It can improve permeate flow by optimizing membrane element structure. It has the features of high rejection rate, stable performance, low operating cost and small equipment investment. It can be used to obtain qualified drinking water from seawater.

### **Product Type :**

Spiral-wound element with polyamide thin-film composite membrane.

RO Membrane Element	Square Feet	Square Meter	Thickness (mil)	(gpd)	(m3 /d)	Stabilised Salt Rejection (%)
SRP SW 8040	400	37.2	34	7500	28.4	99.85%

1. Values are normalized to the following conditions: 3,200 ppm NaCl, 800 psi (5.5 MPa), 77°F (25°C), pH 8, 8% recovery.
2. Permeate flows for individual elements may vary  $\pm 15\%$ .
3. Minimum Salt Rejection is 99.6%.
4. Stabilized salt rejection is generally achieved within 24 – 48 hours of continuous use, depending upon feedwater characteristics and operating conditions.
5. Product specifications may vary slightly as improvements are implemented.
6. Active area guaranteed  $\pm 5\%$ . Active area as stated by us is not comparable to the nominal membrane area figure often stated by some element suppliers.



A	B	C
40.0 Inches (1016 mm)	8 Inches (202 mm)	1.125 Inches (29 mm)

1. Refer to Our Design Guidelines for multiple-element systems of 8-inch elements.
2. Element to fit nominal 8-inch I.D. pressure vessel.

### Operating Condition

Maximum Operating Temperature (a,b)	113°F (45°C)
Maximum Operating Pressure (b)	1200 psig (83 bar)
Maximum Element Pressure Drop	15 psig (1.0 bar)
pH Range :	
{Continuous Operation}(a)	2 – 11
{Short-term Cleaning (30 min)}(c)	1 – 13
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance (d)	< 0.1 ppm

- a. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
- b. Consult your representative for advice on applications above 95°F (35°C). Refer to Our Elements Operating Limits for warranty-voiding conditions and additional information.
- c. Refer to guidelines in Cleaning Guidelines for more information.
- d. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, We recommends removing residual free chlorine by pretreatment prior to membrane exposure. Please refer to technical bulletin Dechlorinating Feedwater for more information.



# SRP ULP 8040

High Quality Ultra-Low Pressure  
Reverse Osmosis Membrane



## **SRP ULP 8040**

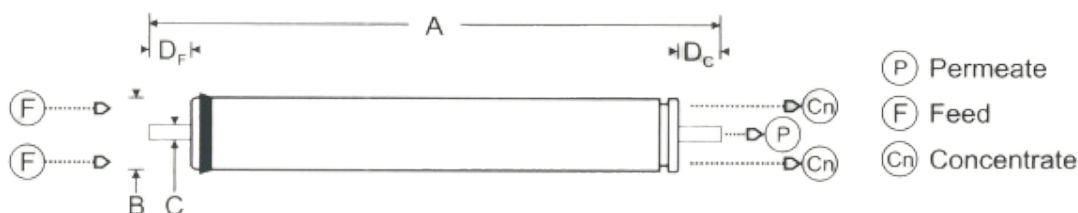
SRP ULP Membrane Element can work with ultra-low pressure to reach a water flux and rejection rate that can rival its common low-pressure counterpart.

### **Product Type :**

Spiral-wound element with polyamide thin-film composite membrane.

RO Membrane Element	Square Feet	Square Meter	Thickness (mil)	(gpd)	(m3 /d)	Stabilised Salt Rejection (%)
SRP ULP 8040	400	37.2	34	10000	37.9	99.5%

- 1.values are normalized to the following conditions: 1,500 ppm NaCl, 150 psi (1.03 MPa), 77°F (25°C), pH 7.5, 15% recovery.
- 2.Permeate flows for individual elements may vary  $\pm$  15%.
- 3.Minimum Salt Rejection is 99.0%.
- 4.Stabilized salt rejection is generally achieved within 24 – 48 hours of continuous use, depending upon feedwater characteristics and operating conditions.
- 5.Product specifications may vary slightly as improvements are implemented.
- 6.Active area guaranteed  $\pm$  5%. Active area as stated by us is not comparable to the nominal membrane area figure often stated by some element suppliers.



A	B	C
40.0 Inches (1016 mm)	8 Inches (202 mm)	1.125 Inches (29 mm)

- 1.Refer to Our Design Guidelines for multiple-element systems of 8-inch elements.
- 2.Element to fit nominal 8-inch I.D. pressure vessel.

### **Operating Condition**

Maximum Operating Temperature (a,b)	113°F (45°C)
Maximum Operating Pressure (b)	600 psig (41 bar)
Maximum Element Pressure Drop	15 psig (1.0 bar)
pH Range :	
{Continuous Operation}(a)	2 – 11
{Short-term Cleaning (30 min)}(c)	1 – 13
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance (d)	< 0.1 ppm

- a. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
- b. Consult your representative for advice on applications above 95°F (35°C). Refer to Our Elements Operating Limits for warranty-voiding conditions and additional information.
- c. Refer to guidelines in Cleaning Guidelines for more information.
- d. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, We recommends removing residual free chlorine by pretreatment prior to membrane exposure. Please refer to technical bulletin Dechlorinating Feedwater for more information.



# **SRP BW 8040 FR**

High Quality Brackish Water  
Reverse Osmosis Membrane



## **SRP BW 8040 FR**

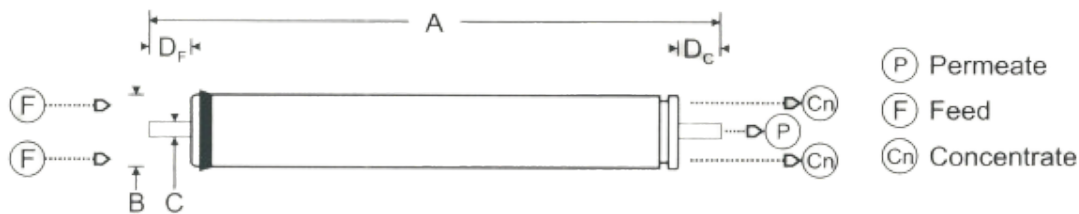
SRP BW FR Membrane Element utilizes specialized manufacture technique that can improve the hydrophilicity, electric charge and roughness of its surface, thus reducing the breeding and adsorption of pollutants and microbes on membrane surface..

### **Product Type :**

Spiral-wound element with polyamide thin-film composite membrane.

RO Membrane Element	Square Feet	Square Meter	Thickness (mil)	(gpd)	(m3 /d)	Stabilised Salt Rejection (%)
SRP BW 8040 FR	400	37.2	34	10000	37.9	99.6%

- 1.Values are normalized to the following conditions: 2,000 ppm NaCl, 225 psi (1.55 MPa), 77°F (25°C), pH 7.5, 15% recovery.
- 2.Permeate flows for individual elements may vary  $\pm$  15%.
- 3.Minimum Salt Rejection is 99.0%.
- 4.Stabilized salt rejection is generally achieved within 24 – 48 hours of continuous use, depending upon feedwater characteristics and operating conditions.
- 5.Product specifications may vary slightly as improvements are implemented.
- 6.Active area guaranteed  $\pm$  5%. Active area as stated by us is not comparable to the nominal membrane area figure often stated by some element suppliers.



A	B	C
40.0 Inches (1016 mm)	8 Inches (202 mm)	1.125 Inches (29 mm)

- 1.Refer to Our Design Guidelines for multiple-element systems of 8-inch elements.
- 2.Element to fit nominal 8-inch I.D. pressure vessel.

### **Operating Condition**

Maximum Operating Temperature (a,b)	113°F (45°C)
Maximum Operating Pressure (b)	600 psig (41 bar)
Maximum Element Pressure Drop	15 psig (1.0 bar)
pH Range :	
{Continuous Operation}(a)	2 – 11
{Short-term Cleaning (30 min)}(c)	1 – 13
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance (d)	< 0.1 ppm

- a. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
- b. Consult your representative for advice on applications above 95°F (35°C). Refer to Our Elements Operating Limits for warranty-voiding conditions and additional information.
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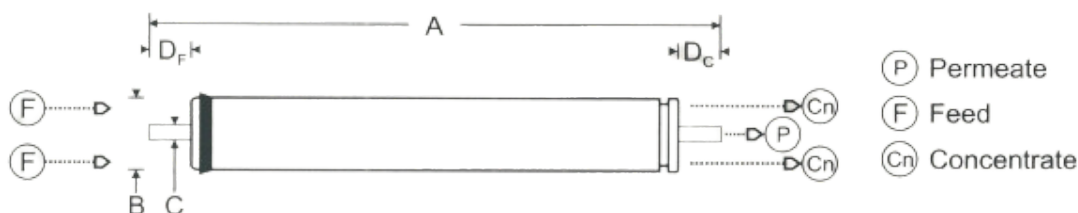
SRP BW Membrane Element is primarily used in desalination of brackish water. This series features low operating pressure, high permeate flow and rejection. It has high performance in rejecting soluble salt, TOC and SiO<sub>2</sub>, and can be widely applied in pure water production in electricity and electronic industries.

### Product Type :

Spiral-wound element with polyamide thin-film composite membrane

RO Membrane Element	Square Feet	Square Meter	Thickness (mil)	(gpd)	(m3 /d)	Stabilised Salt Rejection (%)
SRP BW 8040	400	37.2	34	10000	37.9	99.6%

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## SRP Membranes

**Head Office:** 70, Industrial Area, Phase - I, Panchkula, Haryana, India - 134113

**International Office:** Saif Office Q1-06-026/B, P.O. Box 513994, Sharjah - U.A.E.

✉ : [crm@srpepl.com](mailto:crm@srpepl.com) / [info@srpepl.com](mailto:info@srpepl.com)

☎ : +91 9056526208 / +91 9875955948 / +91 9875955949

[www.srpmembranes.com](http://www.srpmembranes.com) / [www.srpariyavaran.com](http://www.srpariyavaran.com)