SRP Membranes
SR PARYAVARAN · A DIVISION

PRODUCT CATALOGUE

SRP 4040 SERIES

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THE MEMBRANE OF THE FUTURE

High Quality Reverse Osmosis Membranes

Brackish water and ultra-low-pressure elements in the compact 4-inch size.



PRODUCT CATALOGUE · 2026

SRP 4040 Series

www.srpmembranes.com
www.srpepl.com

01 SERIES OVERVIEW

SRP 4040 Series
reverse osmosis elements

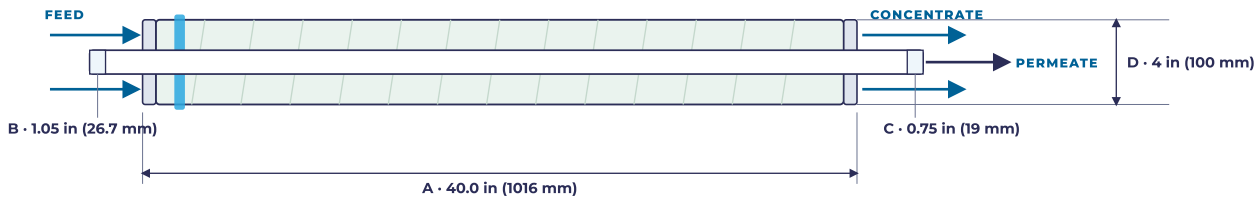
Two spiral-wound polyamide thin-film composite elements in the compact 4-inch format, 40 inches long with 85 ft² (7.9 m²) of active area. Suited to small plants, skids and process water systems.

ELEMENT	Area (ft²)	Area (m²)	Thickness (mil)	Flow (gpd)	Flow (m³/d)	Salt rejection (%)
SRP BW 4040	85	7.9	28	2,350	8.9	99.2
SRP ULP 4040	85	7.9	28	2,350	8.9	99.2

Test conditions: 2,000 ppm NaCl, 150 psi (1.05 MPa), 25 °C (77 °F), pH 7.5 and 15% recovery. Rejection is the stabilised figure, generally reached within 24–48 hours of continuous use. Flow of individual elements may vary by ±15%, and minimum salt rejection is 99.0%.

02 ELEMENT DIMENSIONS

ELEMENT DRAWING · COMMON TO EVERY MODEL

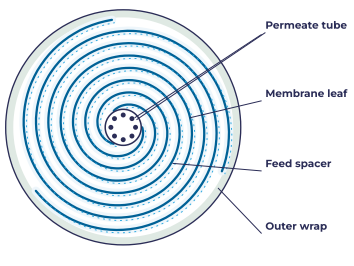


Spiral-wound element, side view. Not to scale across sizes.

A · LENGTH	B · TUBE	C · TUBE	D · DIAMETER
40.0 in (1016 mm)	1.05 in (26.7 mm)	0.75 in (19 mm)	4 in (100 mm)

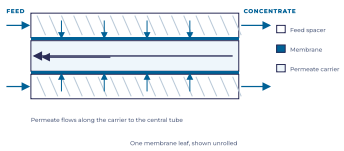
03 HOW THE ELEMENT WORKS

CROSS-SECTION



End view of the spiral-wound element

MEMBRANE LEAF





03 MODEL

SRP BW 4040

The SRP BW 4040 Membrane Elements are engineered for reliable brackish water treatment, providing optimal performance with low operating pressure and high permeate flow. These membranes deliver excellent rejection of salts, organics, and other contaminants, making them versatile for a wide range of industrial applications, including water purification and process water treatment.

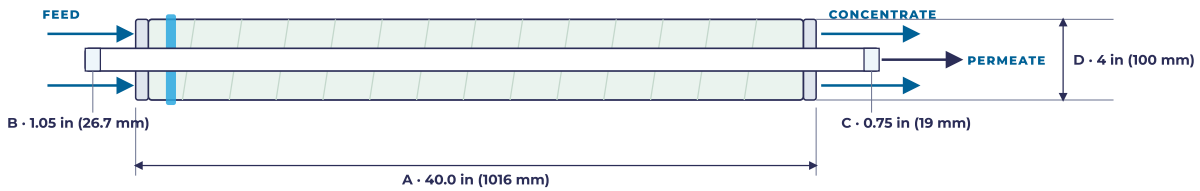
Product type: spiral-wound element with polyamide thin-film composite membrane.



RO MEMBRANE ELEMENT	Area (ft²)	Area (m²)	Thickness (mil)	Flow (gpd)	Flow (m³/d)	Stabilised salt rejection
SRP BW 4040	85	7.9	28	2,350	8.9	99.2%

1. Values are normalized to the following conditions: 2,000 ppm NaCl, 150 psi (1.05 MPa), 77°F (25°C), pH 7.5, 15% recovery.
2. Permeate flows for individual elements may vary ± 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 ± 5%. Active area as stated by us is not comparable to the nominal membrane area figure often stated by some element suppliers.

DIMENSIONS



Spiral-wound element, side view. Not to scale across sizes.

Refer to our design guidelines for multiple-element systems. Element to fit nominal 4-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
pH range, short-term cleaning, 30 min (c)	1 – 13
Maximum feed silt density index	SDI 5
Free chlorine tolerance (d)	< 0.1 ppm

NOTES

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).
c. Refer to the cleaning guidelines for more information.
d. Free chlorine and other oxidising agents can cause premature membrane failure. Remove residual free chlorine by pretreatment before the membrane.

04 MODEL

SRP ULP 4040

The SRP ULP 4040 Membrane Elements are designed for ultra-low pressure applications, offering high permeate flow and excellent rejection rates. These membranes are ideal for industries requiring energy-efficient water treatment solutions, ensuring high-quality water production with reduced operational costs.

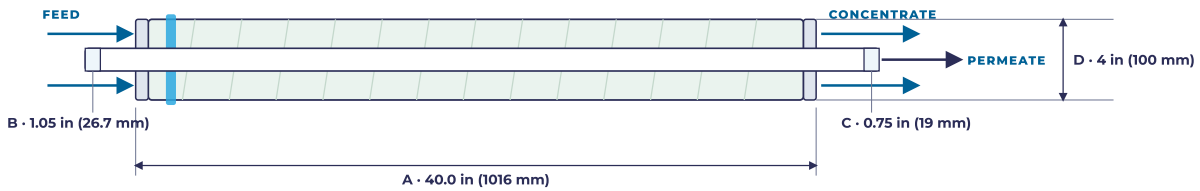
Product type: spiral-wound element with polyamide thin-film composite membrane.



RO MEMBRANE ELEMENT	Area (ft²)	Area (m²)	Thickness (mil)	Flow (gpd)	Flow (m³/d)	Stabilised salt rejection
SRP ULP 4040	85	7.9	28	2,350	8.9	99.2%

1. Values are normalized to the following conditions: 2,000 ppm NaCl, 150 psi (1.05 MPa), 77°F (25°C), pH 7.5, 15% recovery.
2. Permeate flows for individual elements may vary ± 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 ± 5%. Active area as stated by us is not comparable to the nominal membrane area figure often stated by some element suppliers.

DIMENSIONS



Spiral-wound element, side view. Not to scale across sizes.

Refer to our design guidelines for multiple-element systems. Element to fit nominal 4-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**
pH range, short-term cleaning, 30 min (c)	**1 – 13**
Maximum feed silt density index	**SDI 5**
Free chlorine tolerance (d)	**< 0.1 ppm**

NOTES

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).
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d. Free chlorine and other oxidising agents can cause premature membrane failure. Remove residual free chlorine by pretreatment before the membrane.

05 SALIENT FEATURES

Two 4040 elements, one format

Pick the element by feed water and pressure. Every 4040 model shares one size, so elements are interchangeable in the same vessel.

BW 4040

For reliable brackish water treatment with low operating pressure and high permeate flow. 99.2% stabilised rejection.

ULP 4040

Designed for ultra-low pressure and energy-efficient water treatment, with high permeate flow. 99.2% stabilised rejection.

06 APPLICATIONS

1 **Brackish water desalination**
BW and BW FR elements bring down dissolved salts, TOC and SiO_2.

2 **High-purity water**
Pure water production for the electricity and electronics industries.

3 **Process water treatment**
4040 elements suit water purification and process water in industry.

4 **Energy-efficient treatment**
ULP elements deliver high flow at ultra-low operating pressure.

07 WHY SRP

- Low operating pressure with high permeate flow.
- Supplied by the same company that builds the treatment system.
- High rejection of salts, TOC and silica.







SRP Membranes

REMEMBER THE FUTURE

Specify SRP 4040 Series for your RO plant

New build, retrofit or membrane replacement. Share your flow, feed water and layout, and we will recommend the product, configuration and design.

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