



PRODUCT DATA SHEET

ECO-BW515

Aqua Membranes is the only company in the world that precisely controls how water flows across the membrane surface. By replacing the mesh spacer with our Printed Spacer Technology®, we achieve energy savings, increased flow, reduced cleaning frequency, and longer membrane life. Our membranes have proven these outcomes at commercial installations around the world.



TECHNICAL SPECIFICATIONS

Surface Area: 515 ft² (47.8 m²)

Permeate Flow: 12,650 gpd (47.9 m³/d)

Rejection: 99.5%

Feed Spacer Thickness: 19.5 mil

- Performance is based on data taken after 24 hours of run time at test conditions.
- Permeate flow can vary $\pm 15\%$ of the value listed.
- Permeate flow and rejection is based on the following test conditions: 2,000ppm NaCl, 225psi (15.5 bar), 77°F (25°C), and 15% recovery.

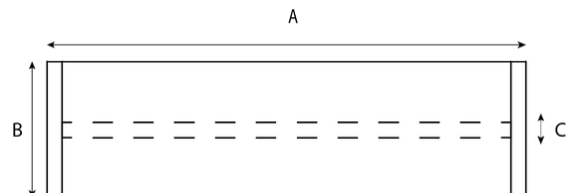


ELEMENT DIMENSIONS

Length (A): 40 in (1016 mm)

Diameter (B): 7.89 in (200 mm)

Center Tube Diameter (C): ID 1.125 in (28.6 mm)



ALL DATA IS VERIFIED BY CLIIR.
CONTACT OUR TEAM TO OPTIMIZE YOUR DESIGN.



OPERATING LIMITS

Max Applied Pressure: 600 psi (41 bar)

Chlorine Concentration: <0.1ppm

Max Temp: 113°F (45°C)

pH Range: 2-12

Max SDI: 5

Max Turbidity: 1.0 NTU

Max Feed Flow: 175 gpm (39.7 m³/h)

Pressure Drop: 6 psid at 64 gpm

- The customer is responsible for the effects of incompatible chemicals and lubricants on elements.
- Permeate from the first hour of operation should be discarded.
- It is recommended for prolonged shutdowns to immerse elements in an approved preservative solution.
- Visit www.aquamembranes.com/documentation for additional loading and cleaning instructions.

ABOUT US

Aqua Membranes Inc. manufactures and develops spiral-wound membrane elements using our groundbreaking Printed Spacer Technology®, replacing legacy feed spacer mesh. By directly printing the feed channel spacer onto the membrane surface, we significantly enhance membrane performance—delivering the most sustainable, efficient, and cost-effective solutions on the market. Our technology reduces fouling, saves energy, and increases output, optimizing both design and operation. Aqua Membranes envisions Printed Spacer Technology® as a cornerstone of a greener water future for our planet and its people.

ADVANTAGES OF PRINTED SPACER TECHNOLOGY®



Up to 30%
energy savings



Up to 30%
increase in flow



4x reduction in
cleaning intervals



50% pressure
drop reduction



Plug-and-play
retrofit



Decreased OPEX
and CAPEX

**GET IN TOUCH TO
SEE HOW MUCH YOU CAN SAVE**



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