



## PRODUCT DATA SHEET

# ECO-LE515

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 ft<sup>2</sup> (47.8 m<sup>2</sup>)

**Permeate Flow:** 12,500 gpd (47.3 m<sup>3</sup>/d)

**Rejection:** 99.2%

- 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, 150psi (10.3 bar), 77°F (25°C), and 15% recovery.

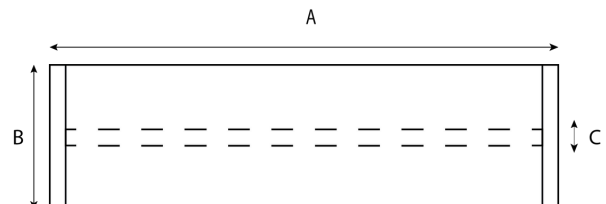


## ELEMENT DIMENSIONS

**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 (41.4 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 m<sup>3</sup>/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](http://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



Up to 50%  
pressure drop



Plug-and-play  
retrofit



Decreased OPEX  
and CAPEX

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



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