



Reverse osmosis products

With Printed Spacer Technology®

What Separates Us?

Aqua Membranes' Reverse Osmosis products use an innovative new Printed Spacer Technology®.

This technology replaces mesh spacers that have been used for decades with printed features on the membrane surface, **improving the flow of water through the membrane element**. Printed spacers open the feed channel inside of the element by using far less material inside of the feed channel. This results in superior spiral wound membrane performance, which sets your operations apart from others in the industry.

Advantages of Printed Spacer Technology®



Increase output without increasing footprint.



Reduce fouling with optimized feed channels.



Newest technology to **save energy** and help meet ESG goals.



Decrease OPEX and **save CAPEX** with just the change of membrane elements.



Brackish Water Products

The Aqua Membranes BW line has two different feed spacers:

ECO

The Aqua Membranes ECO feed channel is optimized for energy savings

This membrane element is designed to save up to 60% of the wasted energy compared to similar products on the market while providing more surface area. By choosing this energy-saving product, you can effectively solve your energy-related issues without compromising the system output and quality. This configuration is especially suitable for companies with challenging feedwater or those looking for ways to save on electricity costs and achieve their ESG goals.

Model	AM-BW505-ECO1.0	AM-BW4040-ECO1.0
Surface area	505 sqft	100 sqft
Test Pressure	180psi	180psi
Permeate output	10,100 gpd	2,100 gpd
Rejection	99.2%	99.2%

FLO

The Aqua Membranes FLO feed channel is optimized for maximum output.

This membrane element is designed to increase output in any system and take full advantage of the 500+ sqft of membrane. This configuration is ideal for applications where your system is struggling to keep up with demand, has limited space for a water treatment system, or is only operated for a short period of time, and every drop is crucial.

Model	AM-BW505-FLO1.0	AM-BW4040-FLO1.0
Surface area	505 sqft	100 sqft
Test Pressure	225 psi	225psi
Permeate output	13,000 gpd	2,700 gpd
Rejection	99.2%	99.2%

Application:



Industrial Water



Water Reuse



Micro Electronics



Mining

About Aqua Membranes

Aqua Membranes manufactures reverse osmosis (RO) membrane elements with Printed Spacer Technology® to revolutionize the performance of RO systems with just the change of membrane elements. With printed spacers, its products improve system output, element life, and energy usage by improving the spacer in a way that has never been done before.

Learn how to lower operating costs, meet sustainability goals, and improve operations at:

www.aquamembranes.com

For more information on Purchasing, contact: sales@aquamembranes.com