Data Sheet

ConZerv 8040 & 4040

Energy Saving BWRO

Aqua Membranes

PRINTED SPACER TECHNOLOGY®

CONZERV

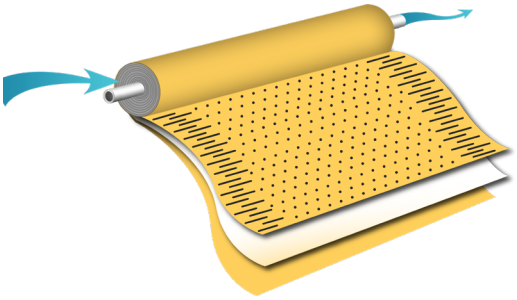
AN AQUA MEMBRANES BRAND

What is ConZerv?

ConZerv is a next generation product that provides exceptional energy savings and system productivity using Patented Printed Spacer Technology®. Whether you want to optimize your existing system or you're looking to switch RO elements for a new system. Use ConZerv to take any system to into the next generation of reverse osmosis technology.

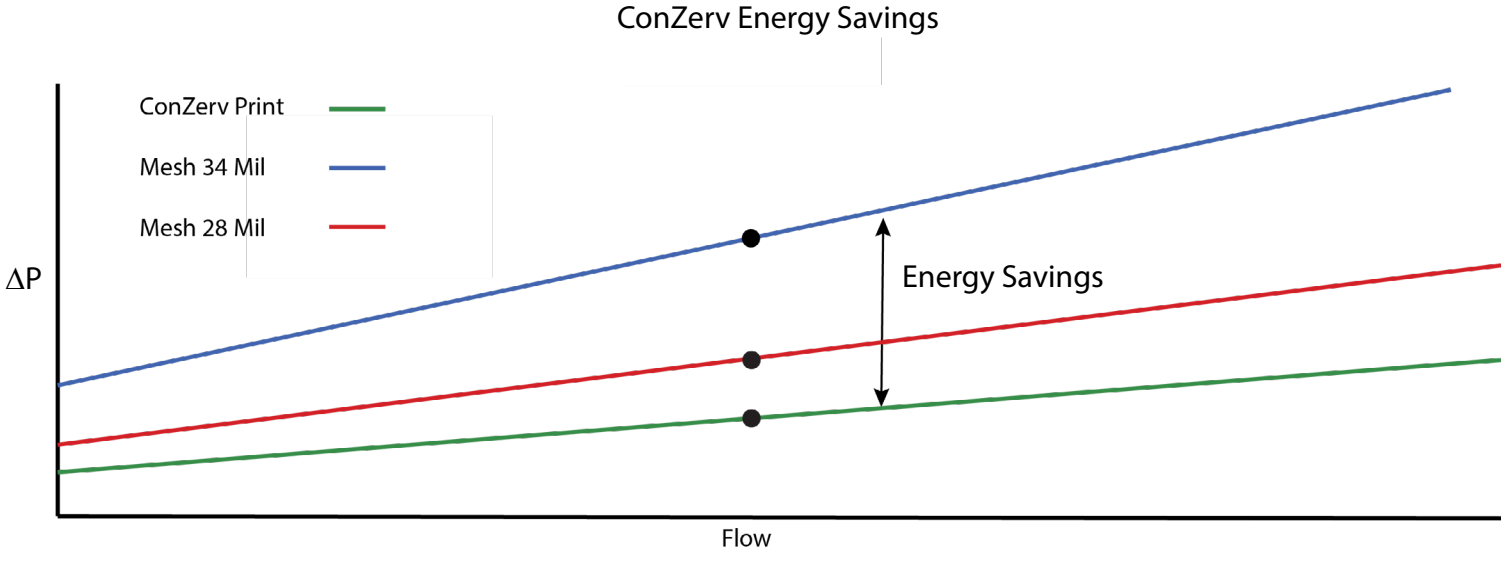
Why ConZerv?

We call it ConZerv because our Printed Spacer Technology® takes reverse osmosis beyond the X, Y plane and into the Z dimension. Instead of using mesh between the membrane, we create space by printing features directly on the surface. This opens the feed channel in a way that mesh cannot, allowing water to move across the membrane more freely in a way that reverse osmosis hasn't seen before.



How Much Energy Savings?

ConZerv elements can cut pressure drop by as much as 50%. That's why ConZerv reverse osmosis elements are changing the industry when it comes to energy savings. Mesh spacers have many obstructions that resist the flow of water. Printed Spacers drastically reduce these obstructions so that water can move more freely through the feed channel. This way you can save energy not only for your wallet, but for the environment.

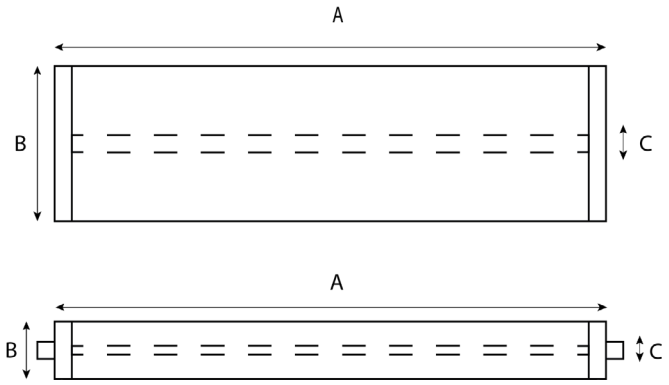


Typical Specfications

	Active Area (ft^2)	Equivalent Mesh Height* (mil)	Print Pattern	Operating Rejection
ConZerv-8040-BW	450	40	Low Energy Aqua	99.2%
ConZerv-4040-BW	100	40	Low Energy Aqua	99.2%

** Mesh height with similar differntial pressure at same feed flow*

Product Dimensions



	8040	
A	B	C
40in (1016mm)	7.89in (203.2mm)	1.25in (28.58mm)
	4040	
A	B	C
38in (965.2mm)	4in (101.6mm)	0.75in (19.05mm)

Operating Conditions/Cleaning Limits

Max Applied Pressure	600psi
Max Operating Temperature	113 °F (45 °C)
Chlorine Concentration	< 0.1 ppm
pH Range (Cleaning)	2-13 pH

Product Documentation

Product Documents and Cleaning Instructions:
www.aquamembranes.com/documentation