



# INDUSTRIAL RO SYSTEMS

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Tap and Brackish Water Systems

# OUR WATERMARK OF DISTINCTION

**AXEON**® reverse osmosis systems are pre-engineered membrane solutions that are manufactured in the United States. Our reverse osmosis systems are engineered by our team of design and application engineers in order to achieve the highest level of operational excellence.

AXEON provides customers with a robust, configured membrane solution with swift turnaround times and exceptional customer and technical support. We also offer an assortment of multi-media and carbon filters, water softeners, deionization systems, chemical feed systems, disinfection systems, storage tanks, and pumps.

## EFFICIENCY

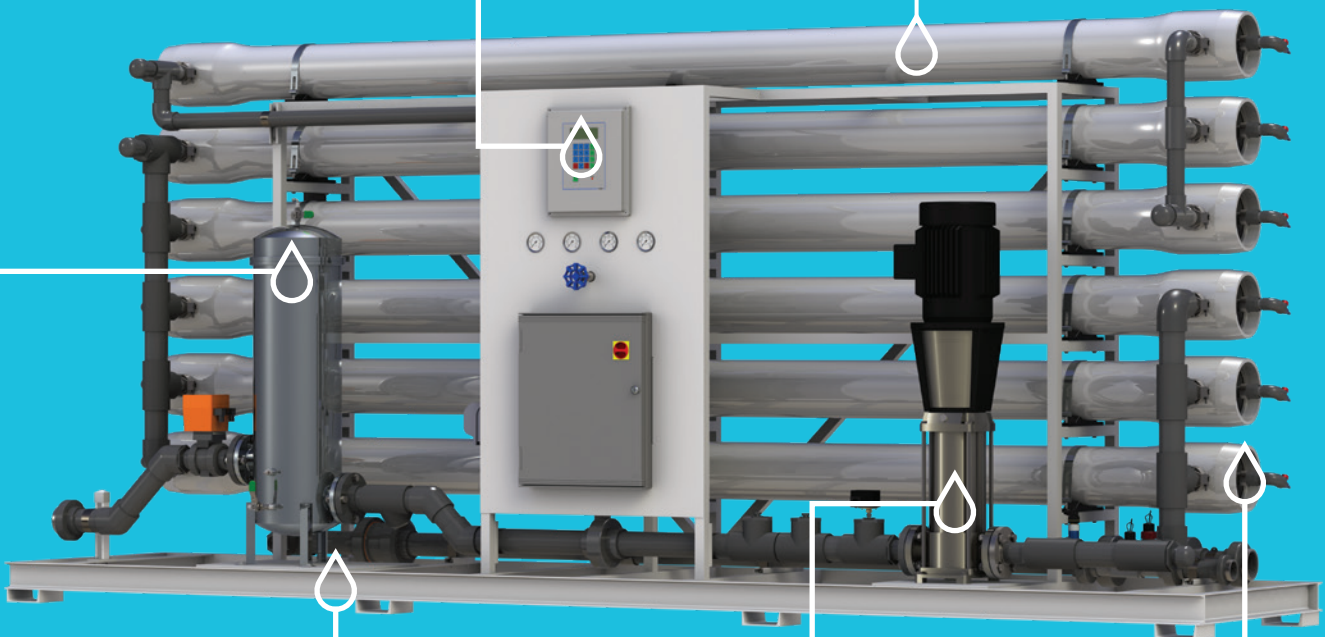
AXEON systems include pre-filtration that ensures long-lasting performance while reducing contaminant levels.

## PERFORMANCE

Instrumentation and controls offer ease of operation and improved monitoring.

## RELIABILITY

Fiberglass pressure vessels ensure dependable performance at various pressures and conditions.



## LONGEVITY

AXEON systems come with an epoxy-coated corrosion-resistant aluminum or carbon steel frame.

## QUALITY

AXEON systems only use the most trusted brands of pumps and components in the industry.

## ONE SOURCE

AXEON membranes offer consistent flow and rejection rates.



# SPECIFICATIONS



R1-Series



M1-Series



X1-Series

Model	Capacity (gpd)	Feed Water (tds)	Membrane Size (in)	Operating Pressure (psi)
<b>R-Series</b>				
R1-Series	1,800-21,600	2,000	4	80
R2-Series	1,500-9,000	10,000	4	350
<b>M-Series</b>				
M1-Series	12,000-36,000	2,000	4	80
M2-Series	12,000-36,000	10,000	4	350
<b>X-Series</b>				
X1-Series	30,000-570,000	2,000	8	100
X2-Series	30,000-182,000	7,000	8	350

## FEATURES

- Integrated cartridge pre-filtration housing
- Membrane housings made of fiberglass reinforced polyester (FRP)
- Welded structural aluminum or carbon steel tubing with corrosion-resistant epoxy powder coating
- High-pressure pumps with stainless steel housings
- High-rejection, thin-film composite (TFC) membrane elements in spiral configuration
- Microprocessor controller with status alarm indicator lights, pre-wired motor, and UL/CUL
- Advanced monitoring and instrumentation help ensure accurate flow, pressures, and operation
- Many options and upgrades to choose from for your project or application

## BENEFITS

- Fully equipped and customizable
- Decreased size of dimensional footprint from standard reverse osmosis systems
- Components easily accessible
- Pre-plumbed, wired and assembled
- Individually tested and preserved
- Low operation and maintenance costs
- Easy maintenance and servicing
- 20% less energy use than standard reverse osmosis systems
- 1-year manufacturer's warranty



# AXEON NAMING MATRIX

Note: The X-Series shown is only an example. Series model numbers apply to R, M, and X-Series systems.

X1	5	2	80	#	Series Model
				1	Tap Water Model
				2	Brackish Water Model
				3	Sea Water Model
				#	Housing Quantity
				1	1 Vessel
				2	2 Vessels
				3	3 Vessels
				4	4 Vessels
				5	5 Vessels
				6	6 Vessels
				7	7 Vessels
				8	8 Vessels
				9	9 Vessels
				10	10 Vessels
				11	11 Vessels
				12	12 Vessels
				14	14 Vessels
				16	16 Vessels
				#	Membranes Per Housing
				1	1 Membrane
				2	2 Membranes
				3	3 Membranes
				4	4 Membranes
				6	6 Membranes
				7	7 Membranes
				#	Membrane Size
				40	4.0 Inch Membrane
				80	8.0 Inch Membrane

# APPLICATIONS



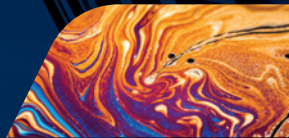
**SMALL MUNICIPALITIES**



**CHEMICAL MANUFACTURING**



**ELECTRONICS MANUFACTURING**



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**DEIONIZATION PRE-TREATMENT**

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