



# E-SERIES RO MEMBRANES

# THE AXEON<sup>®</sup> DIFFERENCE

AXEON membranes utilize the industry's leading membrane film technology and meet the highest standards. AXEON membranes provide reliable high-performance results with consistent high rejection and flow rates.



## FLAT SHEET TECHNOLOGY

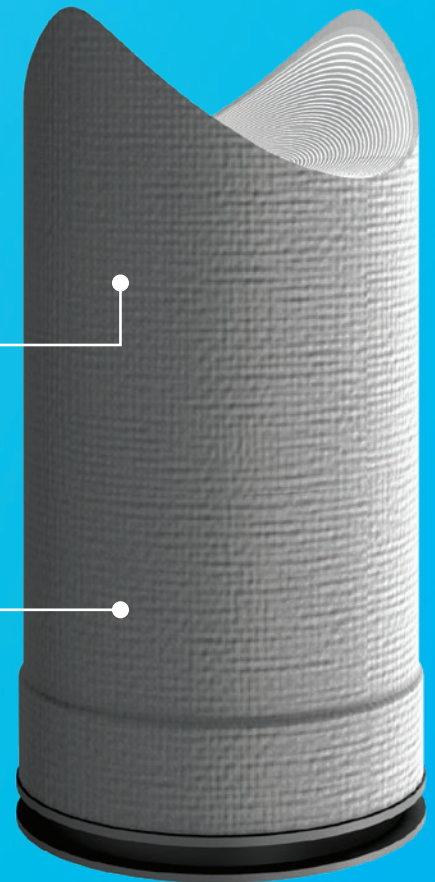
AXEON membranes utilize cross-link layering, which is a lattice-type structure on the membrane flat sheet material that decreases the adhesion of contaminants and pollutants on the surface, resulting in less fouling.

## FIBERGLASS WRAP

AXEON membranes feature an FRP outer wrap for increased strength and durability.

## CERTIFICATIONS

AXEON membranes are NSF listed under NSF 58 and NSF 61 and meet other high quality standards set by RoHS and the FDA.

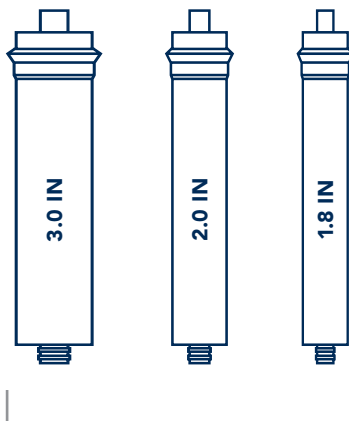





# MEMBRANES FOR ANY APPLICATION

AXEON E-Series membranes come in a variety of types and sizes to fit almost any application.

- **Industrial** (8.0")
- **Commercial** (2.5", 4.0")
- **Residential** (1.8", 2.0", 3.0")

AXEON E-Series membranes have differing performance standards, which makes it easy for you to find the perfect solution for your water purification needs.



Product			
XE3-Series	●	●	
XE1-Series	●	●	
LE1-Series	●	●	
RE1-Series	●	●	
SE1-Series	●	●	
NE-Series			●
TE-Series			●

## XE3—SERIES

NEW!

**AXEON® XE3—Series RO Membranes** utilize Variable Flow Technology (VFT). VFT gives RO system equipment operators and manufacturers the ability to configure and design a variety of RO systems at their desired operating pressure and flow rates while maximizing salt rejection performance.

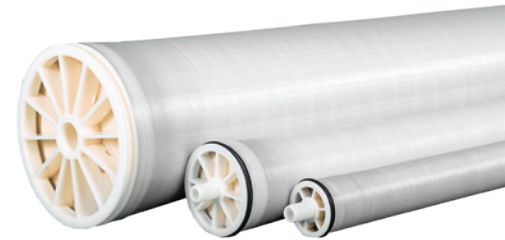


Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / m <sup>3</sup> /d)	Nominal Salt Rejection (%)
XE3-4040	70-100 / 4.82-6.89	2750-3500 / 10.41-13.25	97.50-98.00

## XE1—SERIES

MOST POPULAR

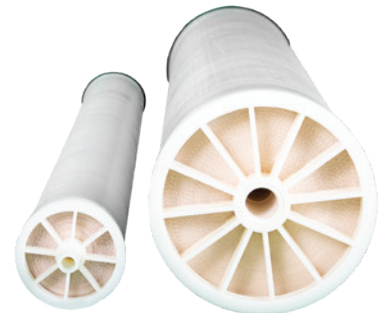
**AXEON® XE1—Series Membrane Elements** offer enhanced performance and extra energy savings for reverse osmosis systems by operating at a low applied pressure of 100 psi with a nominal rejection rate of 99.2%. AXEON XE1—Series are fiberglass wrapped, NSF-61 certified and manufactured in a state-of-the-art ISO-9001 compliant automated rolling facility.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / m <sup>3</sup> /d)	Nominal Salt Rejection (%)
XE1-2521	100 / 6.89	300 / 1.14	99.20
XE1-2540	100 / 6.89	600 / 2.27	99.20
XE1-4021	100 / 6.89	1,200 / 4.54	99.20
XE1-4040	100 / 6.89	2,400 / 9.09	99.20
XE1-8040	100 / 6.89	11,000 / 41.63	99.20

## LE1—SERIES

**AXEON® LE1—Series Reverse Osmosis Membrane Elements** are designed for low energy operating pressures of 150 psi. These membranes offer flow rates up to 12,500 gallons per day with nominal rates of 99%. LE1—Series RO Membrane Elements are NSF-61 certified.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / m <sup>3</sup> /d)	Nominal Salt Rejection (%)
LE1-4040	150 / 10.34	2700 / 10.22	99.00
LE1-8040	150 / 10.34	12500 / 47.32	99.00



## RE1-SERIES

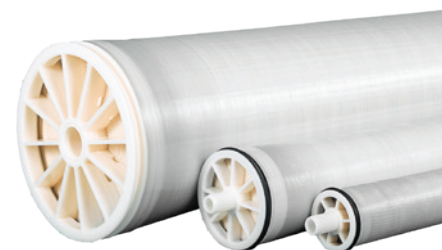
**AXEON® RE1-Series Membrane Elements** are designed for surface and groundwater applications with high salt concentrations. RE1-Series membrane elements contain fouling-resistant properties and offer higher flow rates up to 9,000 gpd while providing rejection rates up to 99%.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / m <sup>3</sup> /d)	Nominal Salt Rejection (%)
RE1-4040	225 / 15.51	2000 / 7.57	99.00
RE1-8040	225 / 15.51	9000 / 34.07	99.00

## SE1-SERIES

**AXEON® SE1-Series Sea Water Reverse Osmosis Membrane Elements** offer superior rejection and flow rates for high salinity and high rejection applications. These membranes are fiberglass wrapped and feature high flow rates up to 7,500 gpd with 99.75% rejection.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / m <sup>3</sup> /d)	Nominal Salt Rejection (%)
SE1-2521	800 / 55.16	250 / 0.95	99.75
SE1-2540	800 / 55.16	500 / 1.89	99.75
SE1-4040	800 / 55.16	1800 / 6.81	99.75
SE1-8040	800 / 55.16	7500 / 28.39	99.75

## NE-SERIES

**AXEON® NE-Series Encapsulated High Recovery RO Membranes** are eco-friendly and provide up to 50% recovery, which means less waste water. These membranes come in an encapsulated configuration and are sealed inside a high-grade plastic housing with quick connect fittings already installed. All membranes feature a unique side flow membrane design, which allows for higher recovery and longevity.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / lpd)	Nominal Salt Rejection (%)
NE-1812-50E	60 / 4.21	50 / 189.25	96.00
NE-1812-75E	60 / 4.21	75 / 283.88	96.00
NE-1812-100E	60 / 4.21	100 / 378.50	96.00

## TE–SERIES

**TE–Series Reverse Osmosis Membrane Elements** are a reliable alternative for your residential reverse osmosis system needs. TE–Series membrane elements are NSF-58 certified and are manufactured in an automated rolling facility, providing you with precise and advanced membrane quality that delivers on performance and cost.



Description	Applied Pressure (psi / bar)	Permeate Flow Rate (gpd / lpd)	Nominal Salt Rejection (%)
TE–1812–35	60.00 / 4.14	35.00 / 132.48	98.00
TE–1812–50	60.00 / 4.14	50.00 / 189.25	98.00
TE–1812–75	60.00 / 4.14	75.00 / 283.88	98.00
TE–2012–100	60.00 / 4.14	100.00 / 378.50	98.00
TE–2012–150	60.00 / 4.14	150.00 / 567.75	98.00
TE–3012–500	70.00 / 4.83	500.00 / 1892.71	98.00

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VALUABLE TOOL FOR  
YOUR TOOLBOX**



*Scan to view the RO and  
NF membrane elements  
technical manual*

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