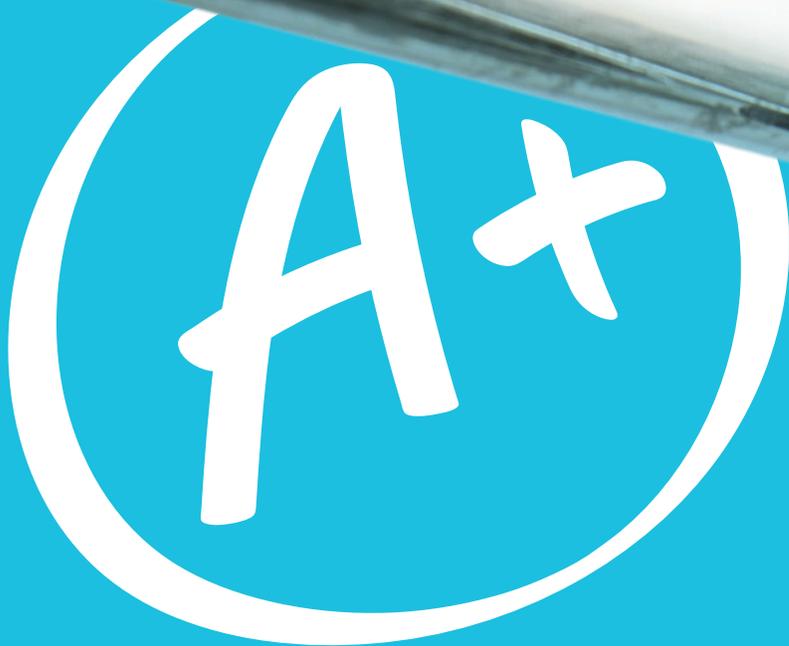




Introducing

# XE3-SERIES REVERSE OSMOSIS MEMBRANES



# AFFORDABLE. AVAILABLE. ADVANCED.

AXEON's E-Series Reverse Osmosis Membranes, including the XE3-Series, are built on over three decades of technological membrane innovation. This has culminated into Variable Flow Technology (VFT), which allows operators and equipment manufacturers to configure a variety of reverse osmosis systems at their desired operating pressure while simultaneously maximizing performance. VFT also reduces the need for multiple membrane types and their respective inventory requirements.

**AFFORDABLE:** Pricing that keeps you competitive

**AVAILABLE:** Most items are in stock for immediate delivery

**ADVANCED:** Incorporates cross-link layering technology into polyamide membrane sheets

# ARE YOU READY FOR EFFICIENCY?

The AXEON E-Series Reverse Osmosis Membranes are the result of decades developing reliable membrane technology. "E" stands for *efficiency*—something that customers have come to rely on from AXEON.



VFT reduces the need for multiple membrane types and inventory levels due to the range of operating pressures.



The advanced membrane construction of our low-pressure and high-flow thin film composite commercial membranes allows for higher flow and rejection rates.



All AXEON membranes are packaged securely to ensure safe delivery, whether shipped in pallets or individually.

AXEON XE3-Series RO Membranes are the #1 choice for tap and brackish applications, offering high flow, efficiency and purity in one.



# GO WITH THE FLOW

## ALL NEW VARIABLE FLUX TECHNOLOGY™

Most Efficient Operating Pressure

Maximized Rejection Performance

Highest Variable Flow Rates in the Industry



Unbeatable performance backed by more than three decades of AXEON's experience in the water filtration industry. Look for our **Watermark of Distinction**.

Call (800) 320-4074 or visit [VFTflows.com](http://VFTflows.com)

SCAN NOW



LEARN MORE

# XE3-4040 RO MEMBRANES

**AXEON® XE3-4040 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.



## SPECIFICATIONS

Pressure Tested at (psi)	Permeate Flow (GPD)	Nominal Salt Rejection (%)
70	2750	97.5
80	3000	97.7
90	3250	97.9
100	3500	98.0

## ELEMENT DIMENSIONS & OPERATING LIMITS

Maximum Operating Pressure (psi / MPa)	600 / 4.14
Operating Temperature Range (°F / °C)	32-113 / 0-45
Maximum Feed Silt Density Index (SDI <sub>15</sub> )	5.0
Free Chlorine Tolerance (mg/L)	0
pH Range—Continuous Operation	2-11
pH Range—Short-Term Cleaning	1-13
Maximum Element Pressure Drop (psi / MPa)	15 / 0.1

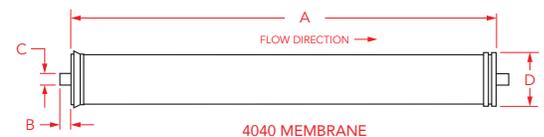
## APPLICATIONS

- Water treatment
- Food service
- Beverages
- Medical
- Hospitality
- Manufacturing
- Hydroponics
- Car washing
- Window washing



## BENEFITS

- Cold water capabilities
- Line pressure operation
- Less inventory requirements
- Substantial cost savings



## STANDARD TEST CONDITIONS<sup>A</sup>

Solution (mg/L)	Temperature (°F / °C)	pH	Max Operating Pressure (psi / MPa)	Recovery (%)
500 NaCl	77 / 25	7.5-8.0	100 / 0.69	15

A. Individual flow rate may vary ±20%

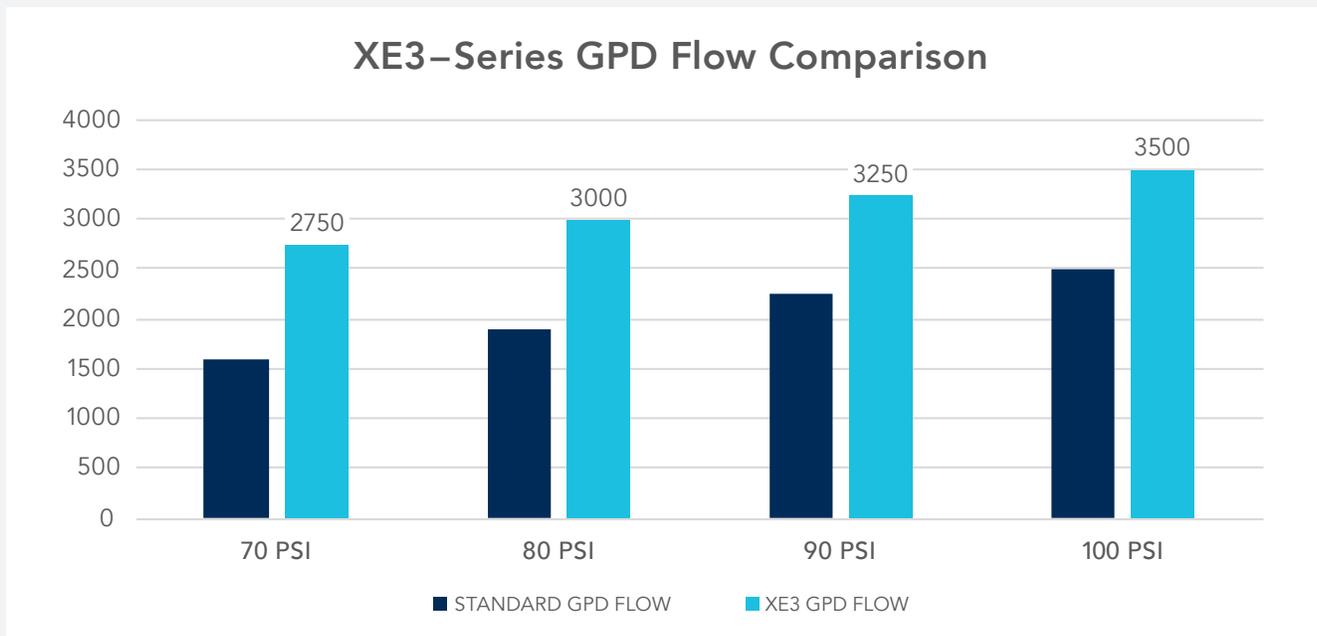
## ELEMENT DIMENSIONS AND OPERATING LIMITS

Length (in / mm)	Diameter (in / mm)	Permeate Tube Inner Diameter (in / mm)	Permeate Tube Extension Length (in / mm)
40 / 1016	3.9 / 99	0.75 / 19.1	1.04 / 26.5

# REJECTION LEVELS AND PERMEATE FLOW RATES

Pressure Tested at (psi)	Permeate Flow (GPD)	Nominal Salt Rejection (%)
70	2750	97.5
80	3000	97.7
90	3250	97.9
100	3500	98.0

# TESTING SPECIFICATIONS AND CONDITIONS



**Warranty Evaluation Test Conditions:** Permeate flow and salt rejection based on the following test conditions: 550 ppm, filtered and dechlorinated municipal tap water, 77 °F / 25 °C, 15% recovery 4040 at the specified operating pressure. Minimum salt rejection is 96.0%. Permeate flows for warranty evaluation may vary +/-20%.

# AXEON XE3-4040 MEMBRANE PERFORMANCE COMPARISONS



XE3-4040	vs.	Competitor's Brand
3,500 gallons per day	Three horizontal wavy lines representing water or flow.	2,500 gallons per day
100 active sq. ft. of membrane	A square with two arrows pointing outwards from opposite sides, representing membrane area.	85 active sq. ft. of membrane
70-100 PSI low operating pressure	A circular gauge with a needle and a drop of water, representing pressure.	150-225 PSI operating pressure

## WHAT CAN XE3-4040 WITH VFT DO FOR YOU?

- + Pumpless RO membrane
- + Cold water capabilities
- + Low pressure and high flow
- + Uses less energy to operate
- + Increases RO system output
- + Decreases RO system pressure
- + Versatile for feed water conditions
- + Reduces inventory levels and models





Unbeatable performance backed by more than three decades of AXEON's experience in the water filtration industry. Look for our Watermark of Distinction. Call (800) 320-4074 or visit us at [AXEONwater.com](https://www.axeonwater.com) to learn more.

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