



The Watermark of  
Distinction.™

MEMBRANE  
CATALOG  
11<sup>TH</sup> EDITION

## MESSAGE FROM CEO

Dear Customers,

I would like to start by thanking you for being an important part of AXEON Water Technologies. We are excited about sharing our special 11th Edition Membrane Catalog with you. For over three decades, AXEON has proudly designed, engineered and manufactured industrial grade products that are always backed by our highly trained professionals.

Our disciplined approach to your product needs and passion for what we do have always been a paramount focus for us at AXEON. We hope you enjoy reviewing our product designs, specifications and the assortment of products in our new catalog.

At AXEON, our priority is always our valued customers. We strive to meet the needs of our diverse customer base that spans around the globe. From inception to completion, AXEON team members are always available to support your needs and strive to exceed your expectations.

Thank you again for your business and interest in AXEON. On behalf of the AXEON team, we look forward to serving you.

Best regards,

*Augustin Pavel*

Chief Executive Officer





# Leading Manufacturer of Membrane Systems in North America

AXEON is a world leader and your partner in the engineering and manufacturing of innovative membrane filtration components and systems. For more than three decades, AXEON Water Technologies has manufactured high-quality membrane and filtration products for residential, commercial and industrial applications.



## Exclusive and Versatile System Designs

Our membrane systems are designed for high efficiencies and recovery rates, minimal energy consumption and great savings with low operation and maintenance costs. We supply the system or product you need – designed to meet your specific requirements – and provide exceptional customer and technical support. Our products are engineered to provide superior performance, so you can be assured that your water purification solution meets your water quality standards.



## Partnering for Success

Our customers' success is our success. We take the time to build long-term partnerships with our customers, based on a keen understanding of their needs, a strong sense of loyalty and a spirit of going above and beyond. We use our expertise to develop superior products and our experience to deliver trusted customer support.



AXEON's strategic partnerships span the globe with domestic and international distributors in more than 80 countries. Our global network of distributors and suppliers ensures timely support and exceptional cost savings.

## Let's talk about a solution for you.

Contact us today to learn more about how we can solve your water quality problems and provide water purification solutions that help reduce your costs, improve efficiencies, and meet regulatory standards.

# CONTENTS

## MEMBRANE

### MEMBRANE SYSTEMS

Membrane Systems Overview . . . . .	4	<b>Seawater Reverse Osmosis Systems</b>	
<b>Reverse Osmosis Systems</b>		3 – Series Reverse Osmosis Systems . . . . .	18
1 – Series Reverse Osmosis Systems . . . . .	6	S3 – Series Seawater Reverse Osmosis Systems	
R1 – Series Reverse Osmosis Systems		T3 – Series Seawater Reverse Osmosis Systems	
M1 – Series Reverse Osmosis Systems		X3 – Series Seawater Reverse Osmosis Systems	
X1 – Series Reverse Osmosis Systems		<b>Nanofiltration Systems</b>	
N – Series Reverse Osmosis Systems . . . . .	8	NF – Series Nanofiltration Systems . . . . .	20
T – Series Reverse Osmosis Systems . . . . .	10	<b>Ultrafiltration Systems</b>	
AT – Series Reverse Osmosis Systems		UFS – Series Ultrafiltration Systems . . . . .	20
BT – Series Reverse Osmosis Systems		<b>Sanitary &amp; High Purity Systems</b>	
CT – Series Reverse Osmosis Systems		DP – Series Double Pass Reverse Osmosis Systems	21
HT – Series Reverse Osmosis Systems		EDI – Series Electrodeionization Systems . . . . .	21
JT – Series Reverse Osmosis Systems		Sanitary Reverse Osmosis Systems . . . . .	22
L – Series Reverse Osmosis Systems . . . . .	12	<b>Packaged Water Systems</b> . . . . .	22
L1 – Series Reverse Osmosis Systems		<b>Containerized &amp; Mobile Systems</b> . . . . .	23
LP – Series Reverse Osmosis Systems		<b>Membrane Cleaning Systems</b>	
LC – Series Reverse Osmosis Systems		CIP – Series Clean-In-Place Systems . . . . .	24
Residential Reverse Osmosis Systems . . . . .	14		
Solo – Series Residential Reverse Osmosis System			
RF – Series Residential Reverse Osmosis Systems			
<b>Brackish Water Reverse Osmosis Systems</b>			
2 – Series Brackish Reverse Osmosis Systems . . . . .	16		
R2 – Series Reverse Osmosis Systems			
M2 – Series Reverse Osmosis Systems			
X2 – Series Reverse Osmosis Systems			



# CONTENTS (continued)

## MEMBRANE

### MEMBRANE ELEMENTS

Membrane Elements Overview . . . . .	25
<b>Reverse Osmosis Membranes</b>	
HR3 – Series Reverse Osmosis Membranes . . . . .	26
HF1 – Series Reverse Osmosis Membranes . . . . .	26
LE – Series Reverse Osmosis Membranes . . . . .	27
HF4 – Series Reverse Osmosis Membranes . . . . .	27
HE – Series Reverse Osmosis Membranes . . . . .	28
HF5 – Series Reverse Osmosis Membranes . . . . .	28
TF – Series Reverse Osmosis Membranes . . . . .	29
TE – Series Reverse Osmosis Membranes . . . . .	29
<b>Seawater Reverse Osmosis Membranes</b>	
SE – Series Seawater Reverse Osmosis Membranes . . . . .	30
<b>Nanofiltration Membranes</b>	
NF3 – Series Nanofiltration Membranes . . . . .	30
NF4 – Series Nanofiltration Membranes . . . . .	31
<b>Ultrafiltration Membranes</b>	
UF – Series Ultrafiltration Membranes . . . . .	31
<b>Specialty Membranes</b>	
SAN1 – Series Sanitary Membranes . . . . .	32
Specialty Membranes . . . . .	32

### MEMBRANE HOUSINGS

<b>Plastic Membrane Housings . . . . .</b>	<b>33</b>
RMH – Series Plastic Membrane Housings	
PVC – Series Commercial Membrane Housings	
<b>Stainless Steel Membrane Housings . . . . .</b>	<b>34</b>
SS – Series Commercial Membrane Housings	
<b>Fiberglass Membrane Housings . . . . .</b>	<b>34</b>
FRP – Series Commercial Membrane Housings	

### MEMBRANE CHEMICALS

<b>Membrane Antiscalants . . . . .</b>	<b>35</b>
S – 200 Antiscalant	
S – 200C Antiscalant Concentrate	
<b>Membrane Antifoulants . . . . .</b>	<b>36</b>
F – 25 Antifoulant	
<b>Membrane Preservative . . . . .</b>	<b>36</b>
M – 100 Preservative	
<b>Membrane Cleaners . . . . .</b>	<b>37</b>
C – 10 Low pH Cleaner	
C – 20 High pH Cleaner	

## SERVICES

<b>Private Labeling &amp; Packaging . . . . .</b>	<b>38</b>
<b>Custom Design and Engineering . . . . .</b>	<b>38</b>
<b>Contract / OEM Manufacturing . . . . .</b>	<b>39</b>
<b>Training and Education . . . . .</b>	<b>39</b>

## DOCUMENTATION

<b>General Ordering Policies . . . . .</b>	<b>40</b>
<b>Marketing Assets Policy . . . . .</b>	<b>41</b>
<b>Standard Terms and Conditions . . . . .</b>	<b>42</b>



**Let's talk about a solution for you.**







Contact us today to learn more about how we can solve your water quality problems and provide water purification solutions that help reduce your costs, improve efficiencies, and meet regulatory standards.



## MEMBRANE SYSTEMS OVERVIEW

MODEL	CAPACITIES (GPD)	FEED WATER (TDS)	DESCRIPTION
<b>REVERSE OSMOSIS SYSTEMS</b>			
<b>1 - SERIES</b>			
<b>R1 - SERIES</b> Pages 6 - 7	1,800 - 21,600	< 2,000	Single Pass, 4" Membranes, Tap / Municipal Water, Vertical Free Standing
<b>M1 - SERIES</b> Pages 6 - 7	12,000 - 36,000	< 2,000	Single Pass, 4" Membranes, Tap / Municipal Water, Horizontal Skid Mount
<b>X1 - SERIES</b> Pages 6 - 7	32,000 - 570,240	< 2,000	Single Pass, 8" Membranes, Tap / Municipal Water, Horizontal Skid Mount
<b>N - SERIES</b>			
<b>N - SERIES</b> Pages 8 - 9	2,000 - 16,000	< 2,000	Single Pass, 4" Membranes, Tap / Municipal Water, Vertical Free Standing
<b>T - SERIES</b>			
<b>AT - SERIES</b> Pages 10 - 11	500 - 1,000	< 2,000	Single Pass, 2.5" Membranes, Tap / Municipal Water, Vertical Free Standing
<b>BT - SERIES</b> Pages 10 - 11	1,500 - 2,000	< 2,000	Single Pass, 2.5" Membranes, Tap / Municipal Water, Vertical Free Standing

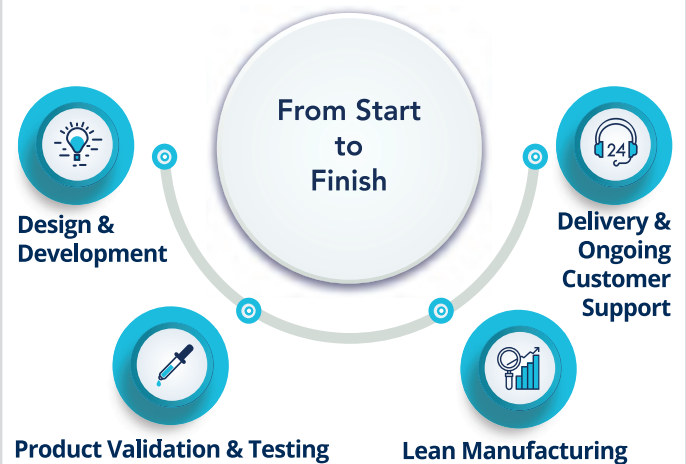
MODEL	CAPACITIES (GPD)	FEED WATER (TDS)	DESCRIPTION
<b>REVERSE OSMOSIS SYSTEMS (continued)</b>			
<b>T - SERIES (continued)</b>			
<b>CT - SERIES</b> Pages 10 - 11	4,000 - 7,000	< 2,000	Single Pass, 4" Membranes, Tap / Municipal Water, Vertical Free Standing
<b>HT - SERIES</b> Pages 10 - 11	500 - 2,000	< 2,000	Single Pass, 2.5" Membranes, Tap / Municipal Water, Vertical Wall Mount
<b>JT - SERIES</b> Pages 10 - 11	2,000 - 4,000	< 2,000	Single Pass, 4" Membranes, Tap / Municipal Water, Vertical Wall Mount
<b>L - SERIES</b>			
<b>L1 - SERIES</b> Pages 12 - 13	200 - 300	< 1,000	Single Pass, 2.5" Membranes, Tap / Municipal Water, Vertical Wall Mount
<b>LP - SERIES</b> Pages 12 - 13	350 - 700	< 1,000	Single Pass, 3.0" Membranes, Tap / Municipal Water, Vertical Wall Mount
<b>LC - SERIES</b> Pages 12 - 13	750 - 1,500	< 1,000	Single Pass, 3.0" Membranes, Tap / Municipal Water, Vertical Wall Mount

## MEMBRANE SYSTEMS OVERVIEW (continued)

MODEL	CAPACITIES (GPD)	FEED WATER (TDS)	DESCRIPTION
<b>REVERSE OSMOSIS SYSTEMS (continued)</b>			
<b>RESIDENTIAL</b>			
<b>SOLO – SERIES</b> Page 14 	50	< 500	2.0" Tap / Municipal Water, Vertical Wall Mount
<b>RF – SERIES</b> Page 15 	25 – 150	< 500	2.0" Tap / Municipal Water, Vertical Wall Mount
<b>BRACKISH WATER REVERSE OSMOSIS SYSTEMS</b>			
<b>2 – SERIES</b>			
<b>R2 – SERIES</b> Pages 16 – 17 	1,500 – 9,000	< 10,000	Single Pass, 4" Membranes, Brackish Water, Vertical Free Standing
<b>M2 – SERIES</b> Pages 16 – 17 	12,000 – 36,000	< 10,000	Single Pass, 4" Membranes, Brackish Water, Horizontal Skid Mount
<b>X2 – SERIES</b> Pages 16 – 17 	30,000 – 181,000	< 10,000	Single Pass, 8" Membranes, Brackish Water, Horizontal Skid Mount
<b>SEAWATER REVERSE OSMOSIS SYSTEMS</b>			
<b>3 – SERIES</b>			
<b>S3 – SERIES</b> Pages 18 – 19 	600 – 2,200	< 35,000	Single Pass, 2.5" Membranes, Seawater, Horizontal Free Standing

MODEL	CAPACITIES (GPD)	FEED WATER (TDS)	DESCRIPTION
<b>SEAWATER REVERSE OSMOSIS SYSTEMS (continued)</b>			
<b>3 – SERIES (continued)</b>			
<b>T3 – SERIES</b> Pages 18 – 19 	4,000 – 7,000	< 35,000	Single Pass, 4" Membranes, Seawater, Horizontal Free Standing
<b>X3 – SERIES</b> Pages 18 – 19 	8,000 – 40,000	< 35,000	Single Pass, 8" Membranes, Seawater, Horizontal Free Standing

## Your Custom Solution From Concept to Delivery



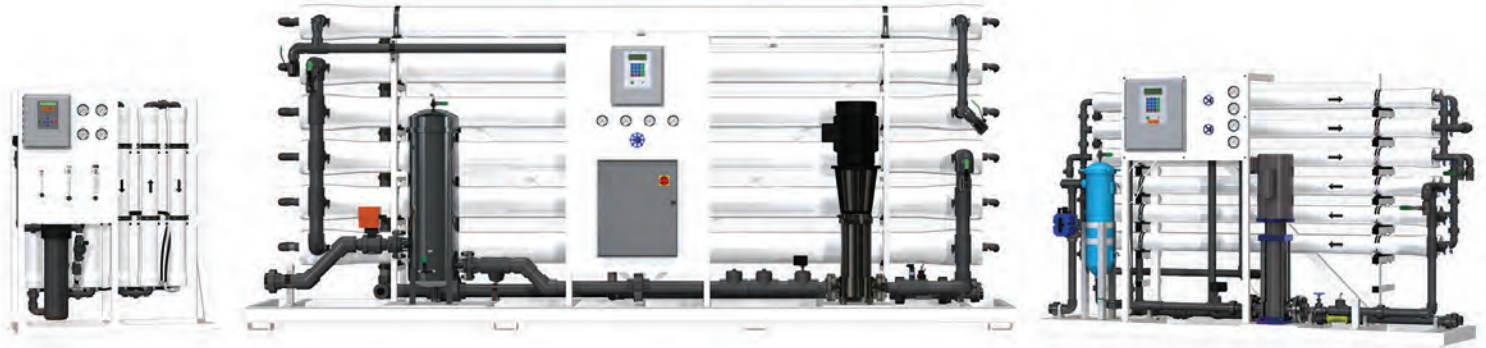
Visit Our Resource Center at [info.axeonwater.com](http://info.axeonwater.com) to Download Our:

- Water System Design Questionnaire
- Water Sizing Guide

Begin Designing Your **Custom Solution**

# 1 – SERIES

## REVERSE OSMOSIS SYSTEMS



**1 – SERIES REVERSE OSMOSIS SYSTEMS** are designed for use in tap and well water applications with total dissolved solids (TDS) of 2,000 parts per million (ppm) or less. They are the preferred choice among water treatment dealers due to their extensive range of features, modular designs and high capacities ranging from 1,800 – 570,240 gallons per day (GPD).

**1 – SERIES REVERSE OSMOSIS SYSTEMS** are selected for their serviceability, lower operating costs and ease of maintenance, with strategically placed components and fittings. All systems arrive pre-plumbed, wired and assembled for immediate online service. **1 – Series Systems** all come standard with integrated sediment pre-filtration, extra low energy membranes, white powder coated frames for added corrosion resistance, and an extensive list of options and upgrades to suit most water treatment applications. Every system is fully inspected, performance tested and preserved, while being backed by a 1-year manufacturer's warranty.

### SYSTEMS BENEFITS AND HIGHLIGHTS

- Tap and Well Water Sources Up to 2,000 TDS
- Wide Range of Capacities Up to 570,240 GPD
- Extra Low Energy Tap Water Membranes for Additional Savings
- Easy Service, Maintenance and Lower Costs
- Ready for Immediate Service and Use
- Customizable with Options and Upgrades
- Fully Performance Tested and Preserved at the Factory
- Assembled in the U.S.A.
- 1-Year Manufacturer's Warranty



## R1 – SERIES REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELE-		MENTS			LINE INCHES (NPT, IN)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	M <sup>2</sup> / D	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
R1 – 1140	1,800	6.80	29%	1	4.0 x 40	1	0.75	0.75	26 x 26 x 60 / 74 x 66 x 155	250 / 113
R1 – 2140	3,600	13.60	45%	2	4.0 x 40	1	0.75	0.75		290 / 132
R1 – 3140	5,400	20.40	56%	3	4.0 x 40	1	0.75	0.75		330 / 150
R1 – 4140	7,200	27.30	63%	4	4.0 x 40	1	1	1	32 x 26 x 60 / 79 x 66 x 155	370 / 168
R1 – 5140	9,000	34.00	68%	5	4.0 x 40	1	1	1		430 / 195
R1 – 6140	10,800	40.90	56%	6	4.0 x 40	1	1	1	32 x 50 x 60 / 84 x 127 x 155	470 / 213
R1 – 8140	14,400	54.50	63%	8	4.0 x 40	1	1	1		510 / 231
R1 – 10140	18,000	68.00	68%	10	4.0 x 40	1	1	1		550 / 249
R1 – 12140	21,600	81.70	71%	12	4.0 x 40	1	1	1	590 / 268	



## M1 – SERIES REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPM	M <sup>2</sup> / H	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
M1 – 4240	8.33	1.89	75%	8	4.0 x 40	1.50	1	1	31 x 100 x 64 / 79 x 254 x 163	1,060 / 481
M1 – 6240	12.50	2.84	75%	12	4.0 x 40	1.50	1	1		1,150 / 522
M1 – 8240	16.67	3.79	75%	16	4.0 x 40	1.50	1	1		1,260 / 572
M1 – 10240	20.84	4.73	75%	20	4.0 x 40	1.50	1.50	1.50		1,350 / 612
M1 – 12240	25.00	5.68	75%	24	4.0 x 40	1.50	1.50	1.50		1,450 / 658



## X1 – SERIES REVERSE OSMOSIS SYSTEMS\*

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPM	M <sup>2</sup> / H	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
X1 – 2280	22.23	5.05	61%	4	8.0 x 40	2	1.50	1.25	112 x 35 x 74 / 284 x 89 x 188	1,285 / 583
X1 – 3280	33.34	7.57	70%	6	8.0 x 40	2	1.50	1.25		1,435 / 651
X1 – 4280	43.76	9.94	75%	8	8.0 x 40	2	2	1.25		1,585 / 719
X1 – 5280	54.87	12.46	75%	10	8.0 x 40	2	2	1.25		1,735 / 787
X1 – 3480	65.99	14.99	75%	12	8.0 x 40	3	2.50	1.50	194 x 41 x 78 / 493 x 104 x 198	2,005 / 909
X1 – 4480	88.21	20.03	75%	14	8.0 x 40	3	2.50	1.50		2,275 / 1,032
X1 – 5480	109.74	24.92	75%	16	8.0 x 40	3	3	2		2,645 / 1,200
X1 – 6480	131.97	29.97	75%	18	8.0 x 40	3	3	2		2,910 / 1,320



\* Larger capacity systems available up to 570,240 GPD. Please call for more information.

**N – SERIES**  
**REVERSE OSMOSIS SYSTEMS**



*\* Pictured with optional cover*

**N – SERIES REVERSE OSMOSIS SYSTEMS** are the newest line of systems from AXEON. These free-standing commercial units are designed for simple turnkey operation and range in flow capacities from 2,000 – 16,000 gallons per day. They are designed for high efficiencies, up to 65% product-to-waste recovery ratio and maximum energy savings by utilizing **AXEON HE – 4040** 100 psi extra low energy RO membranes.

**N – SERIES REVERSE OSMOSIS SYSTEMS** are specifically designed for customers looking to stock complete systems that are ready for distribution. Each system can be customized with a color coded cover and decal of your choice. **N – SERIES REVERSE OSMOSIS SYSTEMS** are fully featured with high quality construction, and offer dependable performance, all at a price that will keep you competitive.

# N – SERIES

## REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	M <sup>3</sup> / D	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
<b>N – 2000</b>	2,000	7.57	32%	1	4.0 x 40	1 FNPT	0.50 FNPT	0.50 FNPT	16 x 25 x 55 / 41 x 64 x 140	120 / 54
<b>N – 4000</b>	4,000	15.14	48%	2	4.0 x 40	1 FNPT	0.50 FNPT	0.50 FNPT		130 / 60
<b>N – 6000</b>	6,000	22.71	58%	3	4.0 x 40	1 FNPT	0.50 FNPT	0.50 FNPT	24 x 32 x 55 / 61 x 81 x 140	180 / 82
<b>N – 8000</b>	8,000	30.28	65%	4	4.0 x 40	1 FNPT	1 FNPT	1 FNPT		210 / 95
<b>N – 12000</b>	12,000	45.42	58%	6	4.0 x 40	1 FNPT	1 FNPT	1 FNPT		240 / 109
<b>N – 16000</b>	16,000	60.57	65%	8	4.0 x 40	1 FNPT	1 FNPT	1 FNPT		270 / 122

### STANDARD EQUIPMENT & CAPABILITIES

- AXEON RO Controller – UL 508a
  - Power On / Off Functionality
  - Fully Programmable
  - Extensive Flush Options
  - TDS Indicators – Product, Waste, Feed and % Rejection
  - Temperature Monitoring
  - Hours Monitoring
  - Pretreat Lockout Switch
  - Inlet Pressure Switch Inputs – Normally Open
  - Tank Level Switch Inputs – Normally Closed
- AXEON Powder Coated Steel Frame
  - Heavy – Duty Epoxy Powder Coating
  - Many Capacities within Single Compact Platform Design
- AXEON HE – Series RO Membranes
  - 100 psi Extra Low Operating Pressure Membranes
  - Energy Savings with Low Pressure
  - Counter Effects of Colder Feed Waters
  - Operational Against Higher Feed TDS Range
- AXEON Fiberglass Membrane Housings
  - Climate, Chemical and Feed Water Resistant
  - Easy Removal of Membranes for Servicing
- AXEON Chemical Pump Outlet
  - For Use with Chemical Injection Pumps
- AXEON Composite Solenoid Valve
  - Corrosion Resistant
  - Bypass for Easier System and Pump Priming
- AXEON Pressure Gauges
  - Filter In / Out and Pump Pressure Monitoring
- AXEON Flow Meters w / Integrated Valve
  - Permeate Recycle and Concentrate Flow Meters
  - Concentrate Recycle for Maximum Recovery
- AXEON Filtration
  - Integrated 5 Micron Polypropylene Sediment Filter
  - Pentair® 4.5" Diameter Filter Housing
- Grundfos® Pump
  - High Performance Booster Pump Up to 200 psi
  - Dependable and Serviceable Worldwide

\* Minimum order quantity may apply.

## T – SERIES REVERSE OSMOSIS SYSTEMS



**T – SERIES REVERSE OSMOSIS SYSTEMS** are one of AXEON's most popular system designs and have been manufactured for over 20 years. These systems have been the preferred choice by retailers around the world, due to their compact design, plug-and-play functionality, freestanding or wall-mount designs and capacities ranging from 500 – 7,000 gallons per day for municipal tap and well water supplies.

**T – SERIES REVERSE OSMOSIS SYSTEMS** come pre-plumbed and are fully tested, preserved and sanitized, only requiring simple utility connections once on-site. When it comes to ease-of-use and dependability, the **T – Series** is the right choice.

### SYSTEMS BENEFITS AND HIGHLIGHTS

- Wide Range of Capacities Up to 7,000 GPD
- Compact Space Saving Design – Freestanding or Wall-Mount
- Integrated Pre-Filtration and Easily Accessible Components
- Lightweight and Non-Corrosive Aluminum Frame
- Extra Low Energy Membranes for Reduced Cost of Operation and Maintenance
- Pre-Plumbed, Wired, Assembled and Tested
- Assembled in the U.S.A.
- 1-Year Limited Warranty



## AT – SERIES REVERSE OSMOSIS SYSTEMS



MODEL	RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
	GPD	LPD	STANDARD RECOVERY RATE	RECOVERY WITH CONCENTRATE RECYCLE %	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
<b>AT – 500</b>	500	1,893	26%	Up to 75%	2	2.5 x 21	1	0.38	0.38	14 x 20 x 27 / 36 x 51 x 69	65 / 29
<b>AT – 1000</b>	1,000	3,785	41%	Up to 75%	3	2.5 x 21	1	0.38	0.38		70 / 32

## BT – SERIES REVERSE OSMOSIS SYSTEMS

MODEL	RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
	GPD	LPD	STANDARD RECOVERY RATE	RECOVERY WITH CONCENTRATE RECYCLE %	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
BT – 1500	1,500	5,678	41%	Up to 75%	2	2.5 x 40	1	0.38	0.38	19 x 23 x 46 / 48 x 58 x 116	105 / 48
BT – 2000	2,000	7,571	63%	Up to 75%	3	2.5 x 40	1	0.38	0.38		115 / 52



## CT – SERIES REVERSE OSMOSIS SYSTEMS

MODEL	RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
	GPD	LPD	STANDARD RECOVERY RATE	RECOVERY WITH CONCENTRATE RECYCLE %	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
CT – 4000	4,000	15,142	48%	Up to 75%	2	4.0 x 40	1	1	1	30 x 38 x 47 / 76 x 96 x 119	235 / 107
CT – 5000	5,000	18,927	53%	Up to 75%	3	4.0 x 40	1	1	1		250 / 113
CT – 7000	7,000	26,498	62%	Up to 75%	4	4.0 x 40	1	1	1		265 / 120



## HT – SERIES REVERSE OSMOSIS SYSTEMS

MODEL	RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
	GPD	LPD	STANDARD RECOVERY RATE	RECOVERY WITH CONCENTRATE RECYCLE %	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
HT – 500	500	1,893	26%	Up to 75%	2	2.5 x 21	1	0.38	0.38	48 x 49 x 12 / 122 x 124 x 30	65 / 29
HT – 1000	1,000	3,785	41%	Up to 75%	3	2.5 x 21	1	0.38	0.38		70 / 32
HT – 1500	1,500	5,678	50%	Up to 75%	2	2.5 x 40	1	0.38	0.38		95 / 43
HT – 2000	2,000	7,571	58%	Up to 75%	3	2.5 x 40	1	0.38	0.38		135 / 61



## JT – SERIES REVERSE OSMOSIS SYSTEMS

MODEL	RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
	GPD	LPD	STANDARD RECOVERY RATE	RECOVERY WITH CONCENTRATE RECYCLE %	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
JT – 2000	2,000	7,571	31%	Up to 75%	1	4.0 x 40	1	0.50	0.50	12 x 48 x 49 / 31 x 122 x 125	150 / 68
JT – 4000	4,000	15,142	47%	Up to 75%	2	4.0 x 40	1	0.50	0.50		175 / 79



\* Please consult individual product specification sheets for more information on available options and upgrades.

## L – SERIES REVERSE OSMOSIS SYSTEMS



**L – SERIES REVERSE OSMOSIS SYSTEMS** are designed for use in light commercial tap and well water applications. These systems are the go-to choice by water service professionals for their space-saving design, plug-and-play capabilities and capacities ranging from 200 – 1,500 gallons per day. **L – Series** systems are often found in low flow or intermittent duty applications, such as food service, hydroponics, aquarium, misting and drinking water.

**L – SERIES REVERSE OSMOSIS SYSTEMS** come pre-assembled; are fully tested, preserved and sanitized; only require simple utility connections; and feature a freestanding or wall-mount design. **L – Series RO Systems** also allow for options and upgrades to better suit the needs of the customer.

### SYSTEMS BENEFITS AND HIGHLIGHTS

- Wide Range of Capacities Up to 1,500 GPD
- Low Energy Membranes for Reduced Cost of Operation and Maintenance
- Components Are Easily Accessible for Ease of Maintenance and Servicing
- All Systems Are Pre-Plumbed, Wired and Assembled for Immediate Service
- White Powder Coated Steel Brackets for Enhanced Durability
- Come Stock with Pre and Post Filtration\*
- Push / Pull Fittings with Locking Safety Clips
- Low Pressure Switch for Pump Protection
- Assembled in the U.S.A.
- 1-Year Limited Manufacturer's Warranty

## L1 – SERIES REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (QC, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	LPD	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
L1 – 200	200	757	40%	1	2.5 x 14	0.38	0.38	0.25	9 x 18 x 19 / 23 x 46 x 48	42 / 19
L1 – 300	300	1,135	50%	1	2.5 x 21	0.38	0.38	0.25	9 x 27 x 19 / 23 x 69 x 48	50 / 23



## LP – SERIES REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (QC, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	LPD	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
LP – 350	350	1,325	40%	1	3.0 x 12	0.38	0.38	0.38	12 x 17 x 32 / 30 x 43 x 81	35 / 16
LP – 500	500	1,893	46%	1	3.0 x 12	0.38	0.38	0.38		41 / 19
LP – 700	700	2,650	38%	2	3.0 x 12	0.38	0.38	0.38		38 / 17



## LC – SERIES REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (QC, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	LPD	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
LC – 750	750	2,839	Up to 75%	1	3.0 x 18	0.50	0.38	0.38	17 x 13 x 34 / 43 x 33 x 86	50 / 23
LC – 1500	1,500	5,678	Up to 75%	2	3.0 x 18	0.50	0.38	0.38		60 / 27



\* Post filter not available on the LC – 1500 model.



Inquire about **AXEON'S Custom Design and Engineering Services** for your own unique line of systems.

## SOLO – SERIES

### RESIDENTIAL REVERSE OSMOSIS SYSTEM

**SOLO I REVERSE OSMOSIS SYSTEM** utilizes an advanced membrane technology and features an integrated four stage filtration process, consisting of a pre-filter, sintered carbon block, RO membrane and inline post carbon.

**SOLO I REVERSE OSMOSIS SYSTEM** houses three of the four cartridges inside a single housing, making servicing fast and simple. The fourth stage can either consist of an inline post carbon or an optional remineralization cartridge that will naturally balance your water’s pH level.

**SOLO I SYSTEM** includes a 3.2-gallon pressurized white metal storage tank, long reach faucet, tubing, and all the necessary fittings and hardware for a quick and easy installation.



**SOLO I REVERSE OSMOSIS SYSTEM** saves time and money on service calls and replacement cartridges. Systems incorporate .375” tubing for faucet connections and ensure a higher flow rate from the faucet. They also include a moisture sensor that is installed inline to the system and will interrupt the feed water supply if any moisture is ever detected.

#### BENEFITS

- 30% Higher Flow to the Faucet and 50% Less to the Drain
- 50 Gallon Per Day High Flow RO Membrane Fills the Tank Faster
- 1 : 2 Superior Product to Waste Ratio with Up to 50% Savings
- 70% Smaller Footprint When Compared to Other System Models
- Integrated System Design for Quick and Easy Installation and Service

- STAGE 1** – 5 Micron Polypropylene Pre-Filter
- STAGE 2** – Sintered Carbon Block Cartridge
- STAGE 3** – 50 GPD Reverse Osmosis Membrane
- STAGE 4** – Inline Post Carbon

PART NUMBER	SYSTEM MODEL NUMBER	SYSTEM CAPACITY (GPD / LPD)	PRODUCT TO WASTE	NOMINAL TDS REDUCTION %	SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
211470	Solo I 4 – Stage RO	50 / 189	1 : 2	98	19.0 x 10.0 x 15.0 / 483 x 254 x 381	15 / 7






## RF – SERIES RESIDENTIAL REVERSE OSMOSIS SYSTEMS



**RF – SERIES RESIDENTIAL REVERSE OSMOSIS SYSTEMS** combine advanced reverse osmosis and carbon filtration technologies to produce the best quality water available for point-of-use applications.

### BENEFITS

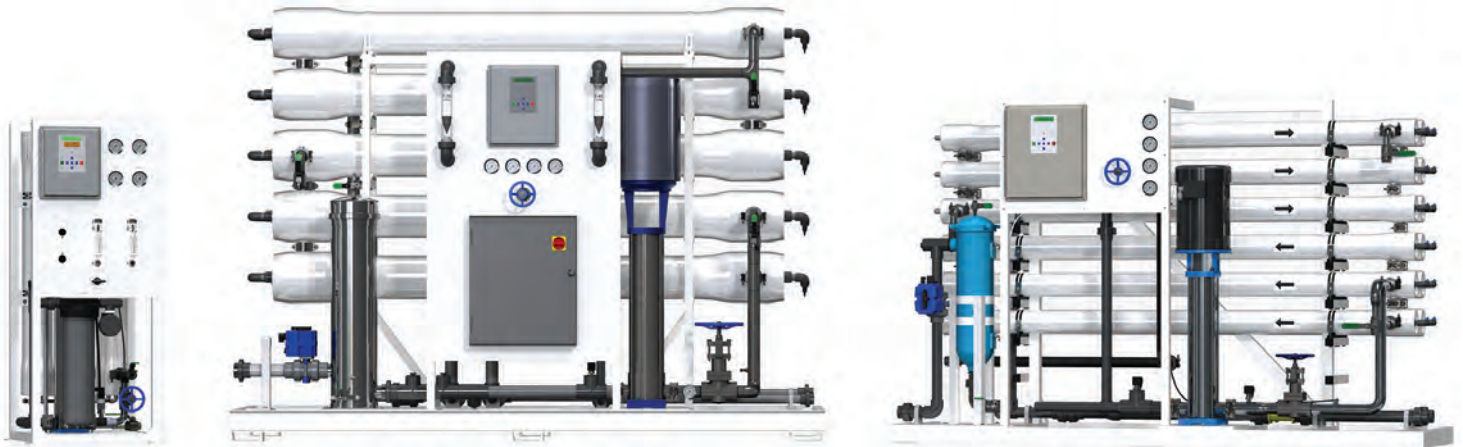
- TE – Series Residential Membrane Elements
- High Quality Pre and Post Filters
- 3.2 Gallon Storage Tank
- Faucet, Wrench and Tubing Included
- Available in 25 GPD to 200 GPD Configurations
- Available with Booster Pump
- Quick Connect Fittings
- 100% Tested and Assembled in the U.S.A.

RF – SERIES RO SYSTEM CAPACITY					SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
PART NUMBER	DESCRIPTION	STAGES	PUMP			
209528	 RF – 4000 SERIES REVERSE OSMOSIS SYSTEM	4	NO			
209529	 RF – 5000 SERIES REVERSE OSMOSIS SYSTEM	5	NO	16 / 7 / 17 40.6 / 17.7 / 43.1	25 / 11.34	
209530	 RFP – 5000 SERIES REVERSE OSMOSIS SYSTEM	5	YES			

### MEMBRANE & RESTRICTOR OPTIONS FOR ALL SYSTEMS



PART NUMBER	DESCRIPTION
208935	OPTION, KIT, 25 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208936	OPTION, KIT, 35 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208937	OPTION, KIT, 50 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208938	OPTION, KIT, 75 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208939	OPTION, KIT, 100 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208940	OPTION, KIT, 150 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON
208941	OPTION, KIT, 200 GPD, REVERSE OSMOSIS, MEMBRANE, FLOW RESTRICTOR, AXEON

**2 – SERIES**
**BRACKISH WATER REVERSE OSMOSIS SYSTEMS**


**2 – SERIES BRACKISH WATER REVERSE OSMOSIS SYSTEMS** are designed for durability and performance in brackish and surface water applications with total dissolved solids (TDS) of 10,000 parts per million (ppm) or less. **2 – Series Systems** are for water treatment professionals due to their extensive list of options and capacities ranging from 1,500 – 180,000 gallons per day.

**2 – SERIES BRACKISH WATER REVERSE OSMOSIS SYSTEMS** come pre-assembled and are fully tested, preserved and sanitized. These systems feature a free-standing vertical or horizontal design with a high-pressure stainless steel pump, stainless steel piping, and stainless steel components. **2 – Series RO Systems** are designed with a heavy-duty powder coated, corrosion resistant frame. Systems feature an S – 150 microprocessor controller for standard control of the RO and visibility of the system's running status. **2 – Series Systems** include fiberglass housings suitable for high chloride applications and chemical cleaning. All systems feature low-energy, high rejecting brackish membranes to produce high quality water from high TDS feed water. Each system is assembled in the U.S.A. and backed by a 1-year manufacturer's warranty.

**SYSTEMS BENEFITS AND HIGHLIGHTS**

- Brackish and Surface Water Sources Up to 10,000 TDS
- Wide Range of Capacities Up to 180,000 GPD
- Low Energy, Brackish Water Membranes for Reduced Operation Cost
- Stainless Steel, Passivated Piping and Components for Corrosion Resistance
- Fully Performance Tested and Preserved at the Factory
- Assembled in the U.S.A.
- 1-Year Manufacturer's Warranty

## R2 – SERIES BRACKISH WATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	M <sup>3</sup> / D	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
R2 – 1140	1,500	5.68	25%	1	4.0 x 40	1	0.75	0.75	27 x 26 x 61 / 69 x 66 x 155	560 / 254
R2 – 2140	3,000	11.36	40%	2	4.0 x 40	1	0.75	0.75		590 / 268
R2 – 3140	4,500	17.03	50%	3	4.0 x 40	1	0.75	0.75	30 x 26 x 61 / 75 x 66 x 155	620 / 281
R2 – 4140	6,000	22.71	55%	4	4.0 x 40	1	1	1	32 x 26 x 61 / 80 x 66 x 155	650 / 295
R2 – 5140	7,500	28.39	60%	5	4.0 x 40	1	1	1		680 / 308
R2 – 6140	9,000	34.07	65%	6	4.0 x 40	1	1	1	37 x 26 x 61 / 94 x 66 x 155	700 / 318



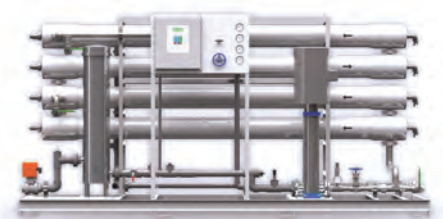
## M2 – SERIES BRACKISH WATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPM	M <sup>3</sup> / H	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
M2 – 4240	8.33	1.89	50%	8	4.0 x 40	1.50	1	1	31 x 100 x 64 / 787 x 2,540 x 1,626	1,260 / 572
M2 – 6240	12.50	2.84	50%	12	4.0 x 40	1.50	1	1		1,350 / 612
M2 – 8240	16.67	3.79	50%	16	4.0 x 40	1.50	1	1		1,460 / 662
M2 – 10240	20.84	4.73	45%	20	4.0 x 40	1.50	1.50	1.50		1,550 / 703
M2 – 12240	25.00	5.68	52%	24	4.0 x 40	1.50	1.50	1.50		1,650 / 748

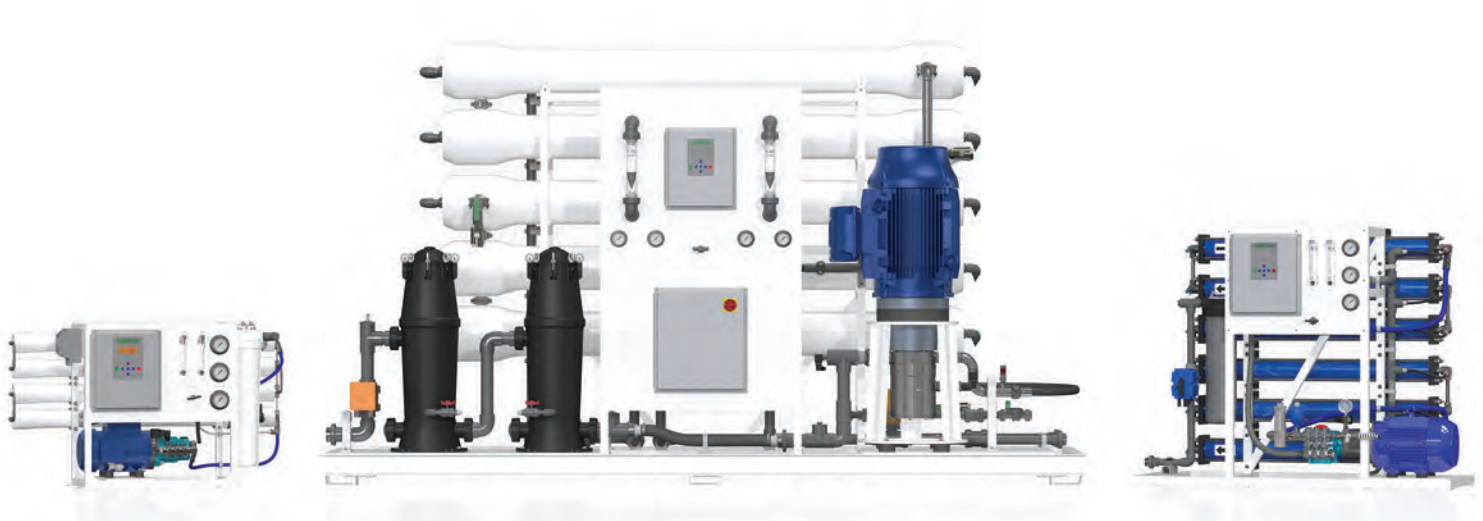


## X2 – SERIES BRACKISH WATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPM	M <sup>3</sup> / H	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
X2 – 2280	20.84	4.73	58%	4	8.0 x 40	2	1.50	1.25	112 x 35 x 74 / 284 x 89 x 188	2,130 / 966
X2 – 3280	31.26	7.10	70%	6	8.0 x 40	2	1.50	1.25		2,450 / 1,111
X2 – 4280	42.37	9.62	73%	8	8.0 x 40	2	2	1.25	112 x 35 x 84 / 284 x 89 x 213	3,040 / 1,379
X2 – 5280	52.79	11.99	73%	10	8.0 x 40	2	2	1.25		3,340 / 1,515
X2 – 3480	63.21	14.36	73%	12	8.0 x 40	3	2.50	1.50		4,100 / 1,860
X2 – 4480	84.04	19.09	70%	16	8.0 x 40	3	2.50	1.50	194 x 41 x 78 / 493 x 104 x 198	4,490 / 2,036
X2 – 5480	104.88	23.82	70%	20	8.0 x 40	3	3	2		5,280 / 2,395
X2 – 6480	125.72	28.55	73%	24	8.0 x 40	3	2.50	1.50	194 x 41 x 84 / 493 x 104 x 213	5,640 / 2,558



## 3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS



**3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS** are engineered and manufactured for high total dissolved solid (TDS) desalination applications of 40,000 parts per million (ppm) or less. They have quickly become the preferred seawater RO system of choice around the world due to their compact space-saving designs, durable and robust structure, and capacities ranging from 600 – 40,000 gallons per day.

**3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS** are equipped with premium components, which include high-pressure stainless steel pumps, premium-grade corrosion resistant powder coated frames, UL Listed programmable microprocessor computer controllers, and high-pressure fiberglass membrane housings with low pressure, high rejecting seawater membranes. **3 – Series Systems** are fully tested to their specified feed water criteria, preserved and sanitized. Every **3 – Series System** is assembled in the U.S.A. and backed by a 1-year manufacturer's warranty.

### SYSTEMS BENEFITS AND HIGHLIGHTS

- Seawater Sources Up to 40,000 TDS
- Wide Range of Capacities Up to 40,000 GPD\*
- Low Energy, Seawater Membranes for Reduced Operation Cost
- Stainless Steel, Passivated Piping and Components for Corrosion Resistance
- Fully Performance Tested and Preserved at the Factory
- Assembled in the U.S.A.
- 1-Year Manufacturer's Warranty

## S3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	M <sup>3</sup> / D	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
S3 – 1125	600	2.30	10%	1	2.5 x 40	0.50	0.38	0.38	48 x 24 x 19 / 122 x 61 x 47	145 / 66
S3 – 2125	1,200	4.50	20%	2	2.5 x 40	0.50	0.38	0.38		155 / 70
S3 – 3125	1,800	6.80	25%	3	2.5 x 40	0.50	0.38	0.38		165 / 75
S3 – 4125	2,200	8.30	36%	4	2.5 x 40	0.50	0.38	0.38		175 / 79



## T3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPD	M <sup>3</sup> / D	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
T3 – 4140	4,000	15.14	27 – 48%	4	4.0 x 40	1	1	1	60 x 26 x 49 / 152 x 66 x 123	270 / 122
T3 – 5140	5,000	18.93	27 – 48%	5	4.0 x 40	1	1	1		300 / 136
T3 – 6140	7,000	26.50	27 – 48%	6	4.0 x 40	1	1	1		330 / 150



## X3 – SERIES SEAWATER REVERSE OSMOSIS SYSTEMS

RO SYSTEM CAPACITY				MEMBRANE ELEMENTS		LINE INCHES (NPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	APPROX. SHIPPING WEIGHT (LB / KG)
MODEL	GPM	M <sup>3</sup> / H	STANDARD RECOVERY RATE	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE		
X3 – 1280	5.56	1.26	30%	2	8.0 x 40	2	1.25	1.25	144 x 41 x 75 / 366 x 104 x 190	2,230 / 1,011
X3 – 2280	11.11	2.52	45%	4	8.0 x 40	2	1.25	1.25		2,660 / 1,207
X3 – 3280	16.67	3.79	50%	6	8.0 x 40	2	1.25	1.25		3,090 / 1,402
X3 – 4280	22.23	5.05	50%	8	8.0 x 40	2	1.50	1.50	144 x 41 x 85 / 366 x 104 x 216	3,860 / 1,751
X3 – 5280	27.78	6.31	50%	10	8.0 x 40	2	1.50	1.50		4,220 / 1,914



\* Customized systems with larger capacities are available. Please call for more information.

# MEMBRANE

## NF – SERIES NANOFILTRATION SYSTEMS



**NF – SERIES NANOFILTRATION (NF) SYSTEMS** are designed for use on tap and well water applications using the **AXEON R1 – Series** system platform. Nanofiltration is effective in allowing low molecular weight ions to pass through the membranes, offering minimal rejection rates that range from 40 – 60% NaCl for **NF3 – Series** membranes and 90 – 96% NaCl for **NF4 – Series Membranes**. **NF – Series Systems** will reject 98 – 99% of calcium (Ca) and magnesium (Mg) ions. In addition, Nanofiltration membranes may be applied to any of AXEON’s standard systems ranging in capacity from 200 to 570,240 gallons per day.

## UFS – SERIES ULTRAFILTRATION SYSTEMS

**COMING  
SOON**



**UFS – SERIES ULTRAFILTRATION SYSTEMS (UFS)** are an ideal option for use in commercial and light industrial applications when trying to remove suspended solids, microorganisms and bacteria from well and tap water feed sources. Ultrafiltration can be a better alternative to media filtration, as it can reduce the fouling potential on membrane systems reducing downtime and the cost of cleaning chemicals and costly replacement membranes.

**UFS – SERIES UF SYSTEMS** can lower particulates to a sub-micron level of 0.2 micron absolute and are ideal for COD, turbidity, bacterial and other microorganism reduction, which can impart reduce color, tastes and odors in the water. Ultrafiltration can also lower the Silt Density Index (<SDI) of feed water below 3, which can help extend the membrane life in reverse osmosis systems.

### BENEFITS

- Size Exclusion Filtration as Opposed to Media Depth Filtration
- Simple Automation
- Process and Plant Compactness
- Good and Constant Quality of Treated Water in Terms of Particle and Microbial Removal
- Environmentally Friendly

### FEATURES

- 304 SS or FRP Housing with QC Port Connections
- 80 Mesh Glass Reinforced Polypropylene Line Strainer with Clean-Out Ball Valve
- Inlet Isolation Valve
- Automated System Timer
- Electric Actuated Valve
- Sample Valve
- PAN UF Module

## DP – SERIES DOUBLE PASS REVERSE OSMOSIS SYSTEMS

**DP – SERIES DOUBLE PASS REVERSE OSMOSIS SYSTEMS** are designed for high purity water applications with a water quality requirement of 1 megaohm or higher.

**DP – SERIES DOUBLE PASS REVERSE OSMOSIS SYSTEMS** feature an innovative and modular design. Systems feature only the highest quality components, including a programmable computer controller with many built-in standard features, stainless steel booster pumps for high performance and corrosion resistance, high rejection low energy membranes and fiberglass membrane housings for enhanced performance and durability.

**DP – SERIES DOUBLE PASS REVERSE OSMOSIS SYSTEMS** have been engineered for capacities ranging from 1,500 to 4,000 gallons per day with zero waste on the second pass.



MODEL	RO SYSTEM CAPACITY			MEMBRANE ELEMENTS		LINE INCHES (FNPT, IN)			SYSTEM DIMENSIONS L X D X H (IN / CM)	SHIPPING
	GPD	M <sup>3</sup> / D	QTY	SIZE (IN) (DIA. X L)	INLET	PRODUCT	WASTE	APPROX. WEIGHT (LB / KG)		
DP – 1500	1,500	5.67	4	2 – 4.0 x 40 / 2 – 2.5 x 40	1	.50	.50	26.00 x 26.00 x 60.00 / 66.04 x 66.04 x 152.40	330.00 / 149.69	
DP – 2000	2,000	7.57	5	2 – 4.0 x 40 / 3 – 2.5 x 40	1	.50	.50		335.00 / 151.95	
DP – 3000	3,000	11.30	4	3 – 4.0 x 40 / 1 – 4.0 x 40	1	.75	.75		320.00 / 145.15	
DP – 4000	4,000	15.14	5	3 – 4.0 x 40 / 2 – 4.0 x 40	1	.75	.75		340.00 / 154.22	

\* Inquire about larger system capacities

## EDI – SERIES ELECTRODEIONIZATION SYSTEMS

**EDI – SERIES ELECTRODEIONIZATION SYSTEMS** are a superior option to conventional mixed-bed deionization. Ultrapure water is processed by taking reverse osmosis permeate water and feeding it into the EDI system which uses electricity to continuously drive ions through deionization resins and ion selective membranes, thus producing a small concentrate stream. These **EDI Systems** do not require regeneration and there are no chemicals used for operation.

**EDI – SERIES ELECTRODEIONIZATION SYSTEMS** are available in four capacities and up to 7 gallons per minute (GPM). These systems feature a modular design, so they can be easily expanded to accommodate various requirements. Additional systems can be arranged in parallel for increased capacities.



MODEL	NOMINAL CAPACITY (GPM / LPM)	NOMINAL OPERATING PRESSURE – MAXIMUM (PSI / BAR)	LINE INCHES (IN)		SYSTEM DIMENSIONS L X D X H (IN / CM)	SHIPPING
			INLET	WASTE		APPROX. WEIGHT (LB / KG)
EDI – 001	1 / 3.8	40 – 75 / 3 – 5	.75 FNPT	.50 QC	25.75 x 25.75 x 60.00 / 65.41 x 65.41 x 152.40	125 / 56
EDI – 003	3 / 11.3					137 / 62
EDI – 005	5 / 18.9					145 / 66
EDI – 007	7 / 26.5					161 / 73

## SANITARY REVERSE OSMOSIS SYSTEMS

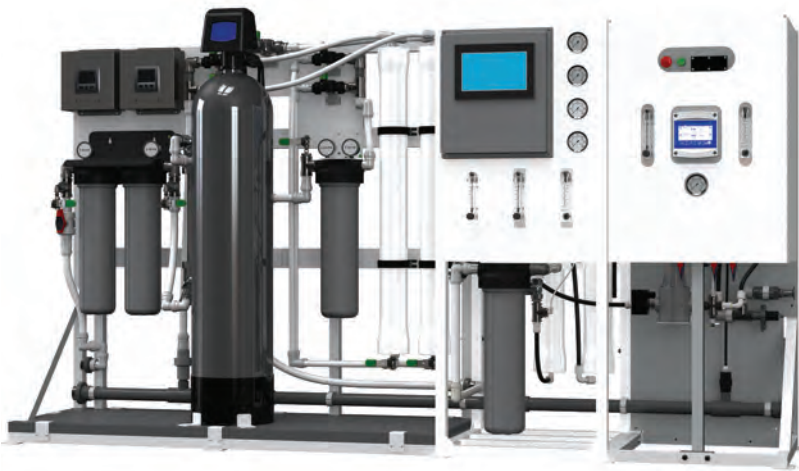


**SANITARY REVERSE OSMOSIS SYSTEMS** are designed for sanitary applications. Systems can be 100% sanitary or designed to a certain degree of sanitary compliance.

**SANITARY REVERSE OSMOSIS SYSTEMS** feature a new, innovative and expandable design. These systems feature only the highest quality components, including a programmable computer controller with many built-in standard features, a stainless steel booster pump for high performance and corrosion resistance, extra low energy membranes and 316L stainless steel membrane housings for enhanced performance and durability.

**SANITARY REVERSE OSMOSIS SYSTEMS** have been engineered for capacities ranging from 1,440 – 6,000 gallons per day, with larger capacities available upon request.

## PACKAGED WATER SYSTEMS



**PACKAGED WATER SYSTEMS** offer a full solution from pretreatment, reverse osmosis system, to post treatment, all neatly packaged on a plug-and-play skid. These systems come fully plumbed and assembled on a modular skid for ease of installation and reduces on-site installation time.

**PACKAGED WATER SYSTEMS** offer solutions ideal for any application, including water stores, car washes, or manufacturing plants. With multiple configurations, **AXEON Packaged Water Systems** can include pretreatment options such as, GAC, Zeolite multimedia

filtration, Filox iron reduction, and UV Disinfection. System options are based upon the **R1 – Series** product line, containing 4" x 40" membranes tailored to your application and quality needs. Post treatment options include calcite, post GAC, and Electrodeionization (EDI).

All systems are manufactured on our white powder coated modular skids for corrosion resistance and feature the necessary treatment to ensure long membrane life span and system dependability. With a wide range of options and accessories, **PACKAGED WATER SYSTEMS** can be configured to meet many of today's purification demands.



## CONTAINERIZED AND MOBILE SYSTEMS

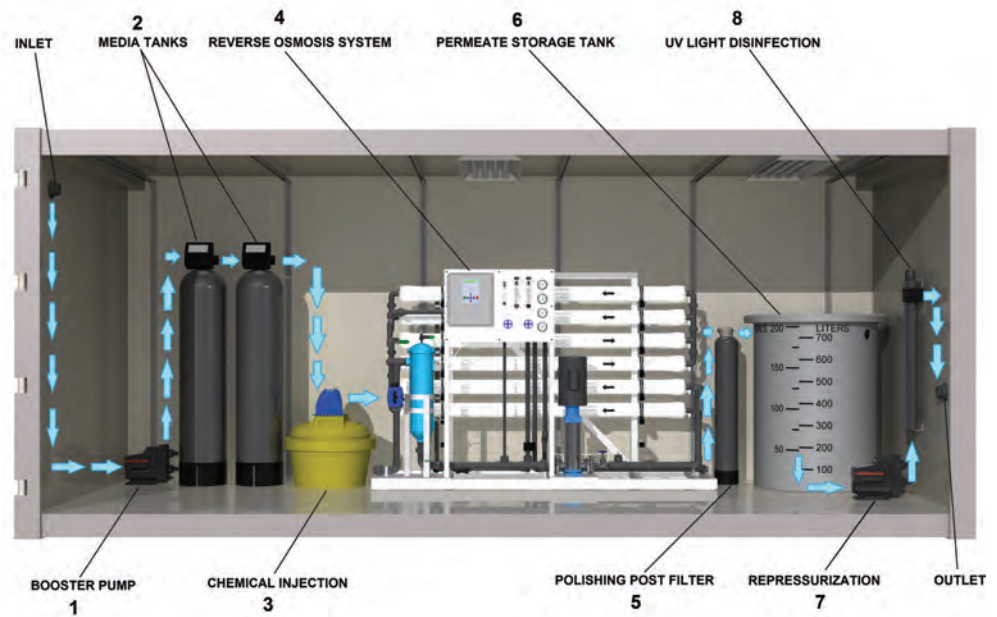
### AXEON WATER TECHNOLOGIES

designs and manufactures a variety of containerized water treatment systems customized to fit any application. Our containerized systems are equipped for various applications using reverse osmosis, nanofiltration, ultrafiltration, and more.

**AXEON** can engineer containerized units that can be utilized for various applications including seawater, military, disaster preparedness to name a few. Most containerized systems can be designed with pre-treatment, reverse osmosis systems, membrane cleaning systems, storage tanks and media filtration as well as insulation, lighting, and air conditioning for the container itself.

### BENEFITS

- Conservatively Engineered for Reliable Long-Term Performance
- Self-Sufficient System Allows for Easy Transportation and Mobility
- Useful for Emergency Applications and Rugged Environments
- Integrated Pre-Filtration, Fully Assembled and Ready for Use
- Assembled in the U.S.A



# MEMBRANE

## CIP – SERIES CLEAN-IN-PLACE SYSTEMS



**CLEAN-IN-PLACE (CIP) SYSTEMS** are mobile skids used for cleaning membranes without removing them from the reverse osmosis system. The CIP systems are designed to be easily integrated with any of the **X – Series** or **M – Series** reverse osmosis models. However, these CIP systems are also engineered as standalone systems that are compatible with any manufacturer’s membrane system.

**CLEAN-IN-PLACE SYSTEMS** vary in size according to the number of membrane vessels that are to be cleaned in parallel, which is determined by the number of vessels in the first stage of the reverse osmosis skid. A centrifugal pump provides the recirculation flow and pressure recommended by the membrane manufacturer. A built-in recycle loop allows for mixing of cleaning agents prior to use and tank level switches to protect the pump. Options include an immersion heater and a pH monitor.

### BENEFITS

- Prolongs Membrane Life by Regular Cleaning
- Ability to Clean Membranes Without Removing Them from the System to Reduce Downtime
- Protects System Performance by Cleaning Membranes Regularly

### SPECIFICATIONS

MODEL	PART NUMBER	INLET OUTLET (IN.)	TANK SIZE (GAL / LTR)	FLOW RATE (GPM / LPM)	MOTOR (HP)	SYSTEM DIMENSIONS L X D X H (IN / CM)	SHIPPING
							APPROX. WEIGHT (LB / KG)
CIP – 20	207677	1.00	50.00 / 189.00	20.00 / 75.70	2	42.00 x 27.00 x 55.00 / 107.00 x 69.00 x 140.00	300.00 / 136.08
CIP – 40	207678	1.50	100.00 / 378.00	240.00 / 151.40	2	62.00 x 35.00 x 65.00 / 158.00 x 89.00 x 165.00	550.00 / 249.48
CIP – 60	207679	2.00	200.00 / 757.00	60.00 / 227.12	5	64.00 x 40.00 x 73.00 / 163.00 x 102.00 x 185.00	600.00 / 272.16
CIP – 100	207680	2.00	200.00 / 757.00	100.00 / 378.54	7.5		650.00 / 294.84

**MEMBRANE ELEMENTS OVERVIEW**

MODEL	MEMBRANE	OPERATING PRESSURE	DESCRIPTION
<b>HR3 – SERIES</b> Page 26 	High Rejection RO	225	Designed to provide high salt rejection for tap water and light brackish water applications while operating at 225 psi. High rejection membranes offer better salt rejection than low energy membranes but require a higher operating pressure.
<b>HF1 – SERIES</b> Page 26 	Low Energy RO	150	Designed to deliver high quality product water at moderately low pressure operation. Low energy membranes offer solid performance, lower energy consumption when compared to standard rejection membranes.
<b>LE – SERIES</b> Page 27 	Extra Low Energy RO	150	Designed for low energy operating pressures at 150 psi. Offers high flow rates and salt rejection. Features a fiberglass design for increased durability and is NSF-61 certified.
<b>HF4 – SERIES</b> Page 27 	Ultra Low Energy	100	Designed to operate at less than half the pressure of standard high rejection membranes and at up to 30% less pressure than other low energy membranes, resulting in enhanced energy savings.
<b>HE – SERIES</b> Page 28 	Extra Low Energy RO	100	Extra economical, extra low energy membranes featuring a fiberglass construction and design for increased durability. Designed to operate at pressures of 100 psi with high rejection.
<b>HF5 – SERIES</b> Page 28 	Low Energy RO	80	Utilizes AXEON's innovative proprietary technology for high permeate production and operating pressures as low as 80 psi. Provides additional efficiency when compared to extra low energy membranes.
<b>TF – SERIES</b> Page 29 	Low Energy RO	50 – 70	Designed to operate as low as 50 psi and a yield up to 23% more water than competing membranes at 65 psi.
<b>TE – SERIES</b> Page 29 	RO	50 – 70	Extra economical and operates at 60 psi.
<b>SE – SERIES</b> Page 30 	Seawater	800	Ideal for use in seawater and high salinity applications requiring high rejection rates. Offers high rejection and flow rates at an operating pressure up to 800 psi.
<b>NF3 – SERIES</b> Page 30 	Nanofiltration	70	Designed to provide low operating pressures for nanofiltration applications. Provides high hardness rejection, with reduced salt rejection.
<b>NF4 – SERIES</b> Page 31 	Nanofiltration	70	Designed to provide higher salt and hardness rejection levels and low operating pressures for nanofiltration applications.
<b>UF – SERIES</b> Page 31 	Ultrafiltration	43	Removes high molecular-weight substances, organic and inorganic polymeric molecules, and colloidal materials.
<b>SAN1 – SERIES</b> Page 32 	Sanitary	225	Designed for high rejection rates operating with pressures of 225 psi, and widely used for dialysis applications.
<b>SPECIALTY MEMBRANES</b> Page 32 	Specialty	80 – 200	Designed and configured to be a direct replacement for many OEM brands. <b>Specialty Membrane Elements</b> are designed to meet all specification and test criteria.

# MEMBRANE

## HR3 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS



**HR3 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS** offer the highest salt rejection rates at 99.5% and up to 2,200 gallons per day. Protected with a hard ABS shell, **HR3 – Series RO Membranes** continue to be a top choice amongst equipment operators for high salinity applications. With an operating pressure of 225 psi, **HR3 – Series RO Membranes** are ideal for brackish water or deionization feed applications.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	200368	HR3 – 2514	225 / 15.51	150 / 567.81	99.50
	200369	HR3 – 2521	225 / 15.51	250 / 946.35	99.50
	200370	HR3 – 2540	225 / 15.51	650 / 2,460.52	99.50
4.0" DIAMETER	200371	HR3 – 4014	225 / 15.51	400 / 1,514.16	99.50
	200372	HR3 – 4021	225 / 15.51	900 / 3,406.87	99.50
	200373	HR3 – 4040	225 / 15.51	2,200 / 8,327.91	99.50

## HF1 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS



**HF1 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS** are the original low-energy RO membrane with an operating pressure of 150 psi. Protected with a hard ABS shell, **HF1 – Series RO Membranes** have become a new standard in commercial reverse osmosis system applications. With salt rejection rates at 99% and flow rates up to 2,500 gallons per day, **HF1 – Series RO Membranes** are the “workhorse” of the water treatment industry.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	200374	HF1 – 2514	150 / 10.34	225 / 851.72	99.00
	200375	HF1 – 2521	150 / 10.34	400 / 1,514.16	99.00
	200376	HF1 – 2540	150 / 10.34	850 / 3,217.60	99.00
4.0" DIAMETER	200377	HF1 – 4014	150 / 10.34	600 / 2,271.25	99.00
	200378	HF1 – 4021	150 / 10.34	1,000 / 3,785.41	99.00
	200379	HF1 – 4040	150 / 10.34	2,500 / 9,463.53	99.00

## LE – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS

### LE – SERIES REVERSE OSMOSIS MEMBRANE

**ELEMENTS** are designed for low energy operating pressures at 150 psi. These membranes offer flow rates up to 12,000 gallons per day with nominal rejection rates of 99.3%. **LE – Series RO Membrane Elements** are NSF-61 Certified, and are fiberglass wrapped for increased durability.



### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE		NOMINAL SALT REJECTION (%)
				(GPD / LPD)	(GPD / M3 / D)	
<b>4.0" DIAMETER</b>	211145	LE – 4040	150 / 10.34	2,500 / 9,463.53	NA	99.30
<b>8.0" DIAMETER</b>	211080	LE – 8040	150 / 10.34	NA	12,000 / 45.43	99.30

\* Please contact us about additional models and flow rates.

## HF4 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS

### HF4 – SERIES REVERSE OSMOSIS MEMBRANE

**ELEMENTS** operate at extra-low pressures of only 100 psi, while producing a nominal salt rejection rate of 99% and reaching flow rates up to 2,500 gallons per day. Protected with a hard ABS shell for improved structural integrity, **HF4 – Series RO Membranes** are the upgraded choice for extra-low energy savings and for reducing costs and applying less stress on RO system fittings and components.



### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
<b>2.5" DIAMETER</b>	200386	HF4 – 2514	100 / 6.89	225 / 851.72	99.00
	200387	HF4 – 2521	100 / 6.89	400 / 1,514.16	99.00
	200388	HF4 – 2540	100 / 6.89	850 / 3,217.60	99.00
<b>4.0" DIAMETER</b>	200389	HF4 – 4014	100 / 6.89	600 / 2,271.25	99.00
	200390	HF4 – 4021	100 / 6.89	1,000 / 3,785.41	99.00
	200391	HF4 – 4040	100 / 6.89	2,500 / 9,463.53	99.00

# MEMBRANE

## HE – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS



### HE – SERIES REVERSE OSMOSIS MEMBRANE

**ELEMENTS** are economical, extra low energy membranes featuring a tape wrap construction and design for durability. **HE – Series Membrane Elements** operate at pressures of 100 psi and offer flow rates up to 2,400 gallons per day with nominal rejection rates of 99.2%. Lower operating pressures provide improved RO system performance with less stress on pumps and fittings.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
4.0" DIAMETER	211064	HE – 4040	100 / 6.90	2,400 / 9,084.99	99.20

## HF5 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS



### HF5 – SERIES REVERSE OSMOSIS MEMBRANE

**ELEMENTS** are the industry's first ultra-low energy RO membranes, featuring an operating pressure of only 80 psi and salt rejection rates of 98.5% or higher. With increased membrane active area, **HF5 – Series RO Membranes** are the ideal choice for long term use within cold water applications and can offer high flow rates at 2,500 gallons per day.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	208125	HF5 – 2514	80 / 5.52	225 / 851.72	98.50
	208083	HF5 – 2521	80 / 5.52	400 / 1,514.16	98.50
	208084	HF5 – 2540	80 / 5.52	850 / 3,217.60	98.50
4.0" DIAMETER	200392	HF5 – 4014	80 / 5.52	600 / 2,271.25	98.50
	200393	HF5 – 4021	80 / 5.52	1,000 / 3,785.41	98.50
	200394	HF5 – 4040	80 / 5.52	2,500 / 9,463.53	98.50

## TF – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS

**TF – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS** are the #1 choice by leading OEM brands and dealers around the globe. These residential membranes demonstrate high quality and are constructed from the highest grade of approved materials.

**TF – SERIES MEMBRANE ELEMENTS** are available in all standard sizes with flow rates ranging from 35 to 500 gallons per day and with nominal rejection rates of 98%. All membranes utilize the industry's leading membrane flat sheet, are integrity vacuum tested to ensure high performance as well as dependability, and are shipped dry for an indefinite shelf life.



Learn more about AXEON Flow Restrictors – contact a representative today!

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2" DIAMETER	200357	TF – 1812 – 25	50 / 3.40	25 / 3.94	98.00
	200358	TF – 1812 – 35	50 / 3.40	35 / 132.49	98.00
	200359	TF – 1812 – 50	50 / 3.40	50 / 189.27	98.00
	200360	TF – 1812 – 75	50 / 3.40	75 / 283.91	98.00
	200361	TF – 2012 – 100	60 / 4.13	100 / 378.54	98.00
	200362	TF – 2012 – 150	65 / 4.48	150 / 567.81	98.00
	208795	TF – 1812 – 200	65 / 4.48	200 / 757.08	98.00
3" DIAMETER	208802	TF – 3012 – 500	70 / 4.80	500 / 1,892.71	98.00

## TE – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS

**TE – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS** are a reliable alternative for your residential reverse osmosis system needs. **TE – SERIES MEMBRANE ELEMENTS** are manufactured in a state-of-the-art, ISO-9001 certified automatic rolling facility, providing you with precise and advanced membrane quality that delivers on performance and cost.



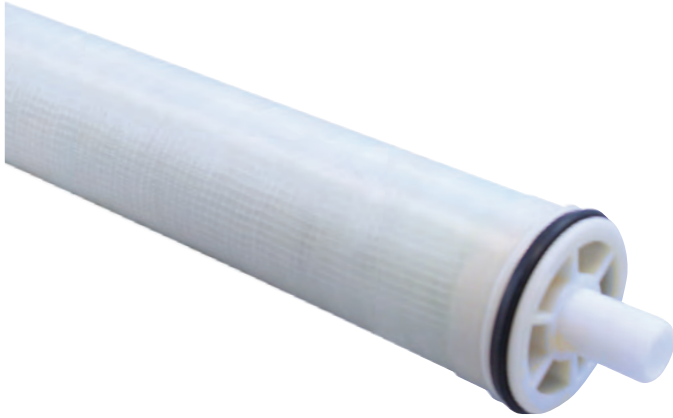
### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2" DIAMETER	211319	TE – 1512 – 25	60 / 4.14	35 / 132.49	98.00
	211283	TE – 1812 – 35	60 / 4.14	50 / 189.27	98.00
	211265	TE – 1812 – 50	60 / 4.14	75 / 283.91	98.00
	211266	TE – 1812 – 75	60 / 4.14	100 / 378.54	98.00
	211267	TE – 2012 – 100	65 / 4.48	150 / 567.81	98.00
	211268	TE – 2012 – 150	65 / 4.48	200 / 757.08	98.00

# MEMBRANE

## SE – SERIES

### SEAWATER REVERSE OSMOSIS MEMBRANE ELEMENTS



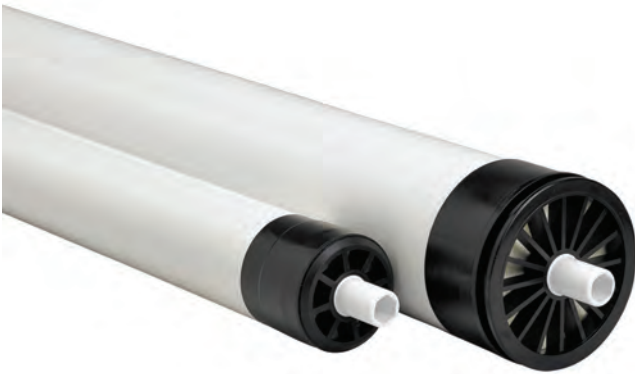
**SE – SERIES SEAWATER MEMBRANE ELEMENTS** are ideal for use in seawater and high salinity applications requiring high rejection rates. Featuring operating pressures up to 800 psi, **SE – Series RO Membrane Elements** offer flow rates up to 1,800 gallons per day with nominal rejection rates of 99.7%.

#### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	208012	SE – 2540	800 / 55.16	600 / 2,271.25	99.70
4.0" DIAMETER	208785	SE – 4040	800 / 55.16	1,800 / 6,813.74	99.60

## NF3 – SERIES

### NANOFILTRATION MEMBRANE ELEMENTS



**NF3 – SERIES NANOFILTRATION MEMBRANE ELEMENTS** are designed for applications requiring lower rejection rates and higher flux than a standard RO membrane element. Nanofiltration is widely used to reduce scale-forming, hydrated divalent ions while allowing smaller hydrated monovalent ions to pass through. **NF3 – Series Membrane Elements** offer high flow rates up to 2,200 gallons per day at an operating pressure of 70 psi, and feature rejection rates of 40 – 50%. Lower operating pressures provide improved RO system performance and energy savings.

#### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	200401	NF3 – 2514	70 / 4.83	200 / 757.08	40 – 50.00
	200402	NF3 – 2521	70 / 4.83	350 / 1,324.89	40 – 50.00
	200403	NF3 – 2540	70 / 4.83	850 / 3,217.60	40 – 50.00
4.0" DIAMETER	200404	NF3 – 4014	70 / 4.83	400 / 1,514.16	40 – 50.00
	200405	NF3 – 4021	70 / 4.83	1,000 / 3,785.41	40 – 50.00
	200406	NF3 – 4040	70 / 4.83	2,200 / 8,327.91	40 – 50.00



## NF4 – SERIES NANOFILTRATION MEMBRANE ELEMENTS

### NF4 – SERIES NANOFILTRATION MEMBRANE ELEMENTS

are designed to provide high productivity and performance with increased rejection of salts and organic compounds up to 90%. Featuring a low operating pressure of 70 psi and flow rates up to 2,000 gallons per day, **NF4 – Series RO Membrane Elements** are a choice pick for removal of nitrates, salts, iron and organic compounds such as pesticides.



### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	200407	NF4 – 2514	70 / 4.83	200 / 757.08	80 – 90.00
	200408	NF4 – 2521	70 / 4.83	250 / 946.35	80 – 90.00
	200409	NF4 – 2540	70 / 4.83	680 / 2,574.08	80 – 90.00
4.0" DIAMETER	200410	NF4 – 4014	70 / 4.83	400 / 1,514.16	80 – 90.00
	200411	NF4 – 4021	70 / 4.83	950 / 3,596.14	80 – 90.00
	200412	NF4 – 4040	70 / 4.83	2,000 / 7,570.82	80 – 90.00

## UF – SERIES ULTRAFILTRATION MEMBRANE ELEMENTS

### UF – SERIES ULTRAFILTRATION MEMBRANE ELEMENTS

are used to remove high molecular-weight substances, organic and inorganic polymeric molecules, and colloidal materials. Ultrafiltration is a separation process using membranes with net pore sizes in the range of 0.1 to 0.01 microns.

### UF – SERIES ULTRAFILTRATION MEMBRANE

**ELEMENTS** feature high flux rates up to 150 l / m<sup>2</sup> / h with a max operating pressure of 43 psi.



Contact our Technical Support for the right solution.

# MEMBRANE

## SAN1 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS



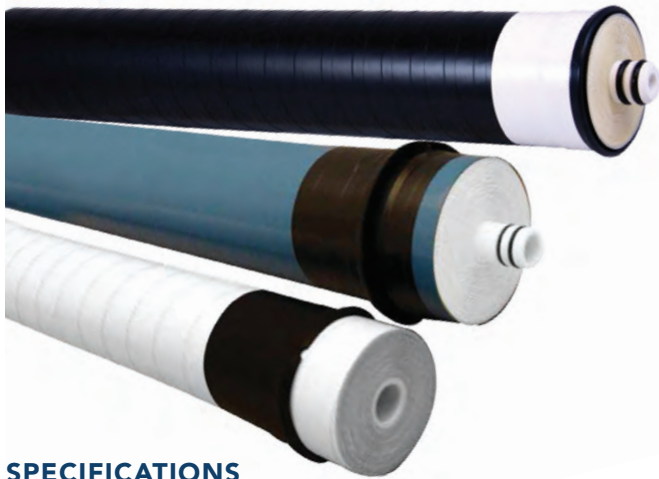
### SAN1 – SERIES REVERSE OSMOSIS MEMBRANE ELEMENTS

are designed for high rejection rates operating with pressures of 225 psi. These membranes offer high flow rates up to 5,200 GPD with nominal rejection rates of 99%. **SAN1 – Series Membranes** are ideal for sanitary applications requiring high purity water such as dialysis.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
4.6" DIAMETER	210162	SAN1 – 4611	225 / 15.51	1,200 / 4,542.49	99.00
	210163	SAN1 – 4619	225 / 15.51	1,450 / 5,488.85	99.00
	210164	SAN1 – 4641	225 / 15.51	5,200 / 19,684.10	99.00

## SPECIALTY MEMBRANE ELEMENTS



**SPECIALTY MEMBRANE ELEMENTS** are designed and configured to be a direct replacement for any OEM brand. **Specialty Membrane Elements** are designed to meet all specification and test criteria.

Contact a representative today to learn more.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	APPLIED PRESSURE (PSI / BAR)	PERMEATE FLOW RATE (GPD / LPD)	NOMINAL SALT REJECTION (%)
2.5" DIAMETER	201399	HR3 – 2525	200 / 13.79	625 / 2,365.88	98.00
3.2" DIAMETER	201987	HF4 – 3218	100 / 6.89	600 / 2,271.25	98.00
3.0" DIAMETER	209175	HF5 – 3018	100 / 6.89	1000 / 3,785.41	98.00

## RMH – SERIES

### RESIDENTIAL PLASTIC MEMBRANE HOUSINGS

#### RMH – SERIES RESIDENTIAL PLASTIC MEMBRANE

**HOUSINGS** are chemical resistant and made with high-quality polypropylene. Both the ribbed cap and the housing are one-piece injection molded parts. The ribbed cap incorporates Acme square threads and an o-ring to ensure a leakproof seal.



#### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	MAXIMUM PRESSURE (PSI)	NUMBER OF MEMBRANES	MEMBRANE DIAMETER (IN / MM)	MEMBRANE LENGTH (IN / MM)	FNPT (IN)		
							FEED	PRODUCT	WASTE
2.0" DIAMETER	200507	2012	90	1	2.00 / 50.80	12.00 / 304.80	0.13	0.13	0.13
3.0" DIAMETER	208438	3012			3.00 / 76.20	12.00 / 304.80	0.38	0.38	0.38

## PVC – SERIES

### PLASTIC COMMERCIAL MEMBRANE HOUSINGS

#### PVC – SERIES PLASTIC COMMERCIAL MEMBRANE

**HOUSINGS** feature a sleek design and are constructed using PVC material with a removable end plug for ease of installation and maintenance. PVC membrane housings are available in 4.0" diameter and 14", 21" and 40" lengths and handle pressures up to 225 psi.



#### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	MAXIMUM PRESSURE (PSI)	NUMBER OF MEMBRANES	MEMBRANE DIAMETER (IN / MM)	MEMBRANE LENGTH (IN / MM)	FNPT (IN)		
							FEED	PRODUCT	WASTE
4.0" DIAMETER	200521	PVC – 4014	255	1	4.00 / 101.60	14.00 / 355.60	0.50	0.50	0.50
	200524	PVC – 4021				21.00 / 533.40			
	200527	PVC – 4040				40.00 / 1016.00			

\* Minimum order quantities required.

# MEMBRANE

## SS – SERIES STAINLESS STEEL MEMBRANE HOUSINGS



**SS – SERIES STAINLESS STEEL MEMBRANE HOUSINGS** are for durable, long-term use in typical commercial reverse osmosis, nanofiltration and ultrafiltration water treatment systems at pressures up to 250 psi. Available in 304L and 316L, these stainless steel housings provide high resistance to various climate conditions.

**SS – SERIES MEMBRANE HOUSINGS** add a seamless look to your RO system and accommodate all standard size membrane elements. and feature a **True-Clamp™ Integrated Clamping System** for added security.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	MAXIMUM PRESSURE (PSI)	NUMBER OF MEMBRANES	MEMBRANE DIAMETER (IN / MM)	MEMBRANE LENGTH (IN / MM)	FNPT (IN)			
							FEED	PRODUCT	WASTE	
2.5" DIAMETER	208236	SS – 304 – 2514 – 250E	250	1	2.50 / 63.50	14.00 / 355.60	0.38	0.38	0.38	
	208237	SS – 304 – 2521 – 250E				21.00 / 533.40	0.38	0.38	0.38	
	208238	SS – 304 – 2540 – 250E				40.00 / 1,016.00	0.38	0.38	0.38	
4.0" DIAMETER	208239	SS – 304 – 4021 – 250E			4.00 / 63.50	1	21.00 / 533.40	0.50	0.50	0.50
	208240	SS – 304 – 4040 – 250E					40.00 / 1,016.00	0.50	0.50	0.50
	208241	SS – 304 – 4040 – 250E					40.00 / 1,016.00	0.75	0.50	0.75
	208242	SS – 304 – 4080 – 250E		4.00 / 101.60	2	80.00 / 2,032.00	0.75	0.50	0.75	
	208243	SS – 304 – 40120 – 250E				120.00 / 3,048.00	0.75	0.50	0.75	
	208245	SS – 316 – 4040 – 250E		1	1	40.00 / 1,016.00	0.50	0.50	0.50	
	208244	SS – 316 – 4040 – 250E	40.00 / 1,016.00			0.75	0.50	0.75		

## FRP – SERIES FIBERGLASS MEMBRANE HOUSINGS



**FRP – SERIES FIBERGLASS MEMBRANE HOUSINGS** are for continuous long-term use for reverse osmosis, nanofiltration and ultrafiltration elements which are used on typical commercial water treatment systems at pressures up to 300 psi.

**FRP – SERIES MEMBRANE HOUSINGS** feature end entry connections and the **True-Lock™ Integrated Locking System**, and demonstrate a higher resistance to various climate conditions, feed water conditions such as high levels of chloride and chemicals. These housings accommodate all standard size membrane elements.

### SPECIFICATIONS

STANDARD SIZES	PART NUMBER	MODEL	MAXIMUM PRESSURE (PSI)	NUMBER OF MEMBRANES	MEMBRANE DIAMETER (IN / MM)	MEMBRANE LENGTH (IN / MM)	FNPT (IN)			
							FEED	PRODUCT	WASTE	
2.5" DIAMETER	208421	FRP – 2514 – 300E	300	1	2.50 / 63.50	14.00 / 355.60	0.25	0.25	0.25	
	208417	FRP – 2521 – 300E				21.00 / 533.40	0.25	0.25	0.25	
	208418	FRP – 2540 – 300E				40.00 / 1,016.00	0.25	0.25	0.25	
4.0" DIAMETER	208416	FRP – 4021 – 300E			4.00 / 101.60	1	21.00 / 533.40	0.50	0.50	0.50
	208419	FRP – 4040 – 300E					40.00 / 1,016.00	0.75	0.50	0.75
	208420	FRP – 4080 – 300E					80.00 / 2,032.00	0.75	0.50	0.75

\* Call for additional models and pressure ratings.

## S – 200 ANTISCALANT

**S – 200 ANTISCALANT** is a pre-blended antiscalant, specially formulated for feed water with the highest levels of metal oxides, silica and scale-forming minerals. It inhibits polymerization of reactive silica and disperses colloidal (nonreactive) silica. It is effective over a wide range of concentrations and does not flocculate dissolved polymers such as residual coagulants, iron or aluminum-rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis, nanofiltration and ultrafiltration systems. It is approved for use by all membrane manufacturers.



### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE	SPECIFIC GRAVITY
206712	5	1.5 – 2.5	Amber	1 – 1.2
206713	55	1.5 – 2.5	Amber	1 – 1.2

## S – 200C ANTISCALANT CONCENTRATE

**S – 200C ANTISCALANT CONCENTRATE** is a highly effective antiscalant concentrate, specially formulated for feed water with the highest levels of metal oxides, silica and scale-forming minerals. It is effective over a wide range of concentrations and does not flocculate dissolved polymers such as residual coagulants, iron or aluminum-rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis, nanofiltration and ultrafiltration systems. It inhibits polymerization of reactive silica and disperses colloidal (nonreactive) silica. It is approved for use by all membrane manufacturers.



### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE	SPECIFIC GRAVITY
208950	5	≤ 2.0	Clear, Colorless Liquid	1.44 ± 0.05
210192	55	≤ 2.0	Clear, Colorless Liquid	1.44 ± 0.05

# MEMBRANE

## F – 25 ANTIFOULANT



**F – 25 ANTIFOULANT** is an anti-coagulant and antifoulant for all membrane systems treating feed waters with high potential for fouling by silt, organics, colloids and fine particulates. It controls the coagulation and subsequent membrane fouling by hydrocarbons, cellulosic materials, lignins, paraffins and other organics.

**F – 25 ANTIFOULANT** reduces the requirements for membrane cleaning by decreasing the rate of membrane fouling. It also effectively reduces membrane fouling when processing waters with high SDI values. Antifoulants are compatible with major manufacturers of reverse osmosis, nanofiltration and ultrafiltration membranes and are compatible with simultaneous administration of antiscalant into feed waters.

### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE	SPECIFIC GRAVITY
206714	5	2 – 2.5	Clear Liquid	1.012
206715	55	2 – 2.5	Clear Liquid	1.012

## M – 100 PRESERVATIVE



**M – 100 PRESERVATIVE** safely controls microbiological growth within membrane elements and membrane systems during long- and short-term storage. It replaces the use of formaldehyde, sodium metabisulphite and other chemicals that are typically used. While formaldehyde and sodium metabisulphite are either hazardous or unstable, **M – 100** is an effective long-term solution and does not create environment or health risks. **M – 100** is compatible with all membrane types and rinses easily from membranes. **M – 100 MEMBRANE PRESERVATIVES** are packaged as a dry, nonreactive powder for ease of transportation.

### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE
206722	4	5.5 – 6.0	White Powder
206723	25	5.5 – 6.0	White Powder
206724	45	5.5 – 6.0	White Powder

## C – 10 SERIES

### LOW pH MEMBRANE CLEANERS

**C – 10 SERIES LOW pH MEMBRANE CLEANERS** provide excellent foulant removal resulting in longer system run times and increased membrane life expectancy. Used in a program that includes an alkaline cleaner for organics and particulate removal, **C – 10 Membrane Cleaner** is a low pH powdered cleaner that gently and effectively removes inorganic scalants such as calcium carbonate and metal hydroxides from the surface of the membrane.

**C – 10 SERIES LOW pH MEMBRANE CLEANERS** come in a readily dissolvable powder for efficient shipping and handling. It features a buffered pH to maintain optimum cleaning performance and a phosphate-free formula to reduce any negative impact on the environment.

#### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE
206716	4	2.5 – 3.5	White Powder
206717	25	2.5 – 3.5	White Powder
206718	45	2.5 – 3.5	White Powder



## C – 20 SERIES

### HIGH pH MEMBRANE CLEANERS

**C – 20 SERIES HIGH pH MEMBRANE CLEANERS** provide excellent foulant removal resulting in longer system run times and increased membrane life expectancy. Used in a program that includes an acidic cleaner for scale and metal hydroxide removal, **C – 20 Series Membrane Cleaner** is a high pH powdered cleaner that gently and effectively removes organic and other acid insoluble foulants from the surface of the membrane.

**C – 20 SERIES HIGH pH MEMBRANE CLEANERS** come in a readily dissolvable powder for efficient shipping and handling. It features a buffered pH to maintain optimum cleaning performance and a phosphate-free formula to reduce any negative impact on the environment.

#### SPECIFICATIONS

PART NUMBER	PACKAGING AMOUNT (GAL)	pH	APPEARANCE
206719	4	10.5 – 11.0	White Powder
206720	25	10.5 – 11.0	White Powder
206721	45	10.5 – 11.0	White Powder





## Private Labeling and Packaging

**AXEON** offers private labeling as a service for qualified customers. This service is available to customers whom wish to add value to their brand by creating products with their own custom labels on select products they purchase from AXEON. Private labeling ensures business is being driven back through your distribution channels to secure consumable sales. Private labeled packaging and systems allow a business to create their own unique image which fosters enhanced customer recognition, differentiation and creates customer loyalty for your brand.

## Custom Design and Engineering

**AXEON** offers both **Original Design Manufacturing (ODM)** and **Original Equipment Manufacturing (OEM)** services to qualified companies. AXEON uses a systematic process in engineering custom solutions for its customers based upon a customer supplied performance specification and design. Qualified companies may also enlist AXEON's 30 years of manufacturing and design expertise to create a product or solution which compliments your existing product offering.





## Contract / OEM Manufacturing

**AXEON** extends its manufacturing capabilities to all qualifying OEMs for contract manufacturing. Allow our streamlined building process to accelerate your production needs with our highly trained and skilled builders in our 50,000 sq. ft. facility. By relying on **AXEON's Contract Manufacturing Services**, OEMs will be able to reduce operational costs and overhead and even reduce system costs through AXEON's strategic global sourcing.



## Training and Education

**AXEON** provides webinar and factory training courses as a service to current customers who would like to adopt AXEON's technical knowledge. AXEON's technical experts will help guide students through system commissioning and troubleshooting, how to care for and maintain membranes and a number of other topics.

- Factory Training
- On-Site Training
- Webinars





# How to Place an Order or Request a Quotation

Our customer service department will be happy to provide you with a quotation or process your order. Please follow the steps below in order to accurately expedite the process.

## GENERAL INFORMATION

Please provide us with the item part number, description and the quantity you are seeking by email, phone or fax.

## ORDERS

Customer service is our number one priority. In order to ensure accuracy and quick processing we request that all orders be made by one of the following methods:

### PHONE

Contact us toll free at **800-320-4074**. Please have the item part numbers, descriptions and your company information or account number available. Your order will be taken over the phone and a confirmation will be sent to you. Note: All quotations are valid for a period of up to 30 days or for the term stated on the quote, whichever is shortest.

### FAX

You may fax us your purchase order at **800-609-0829** which must include all the information and details as stated on our Product Order Form. Our Product Order Form has been made available to our customers as a convenience and may be used as a purchase order.

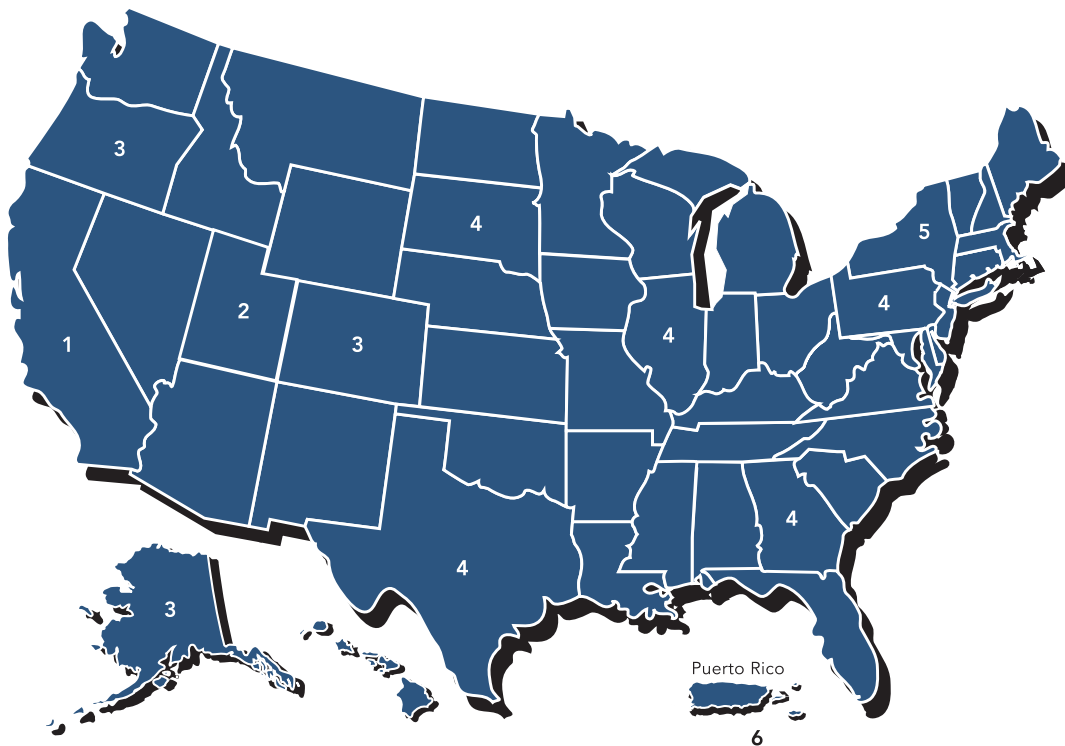
### EMAIL

You may email us your purchase order at **sales@axeonwater.com** which must include all the information and details as stated on our Product Order Form. Our Product Order Form has been made available to our customers as a convenience and may be used as a purchase order.

Please review our Terms and Conditions for payment methods, shipping options and for additional information. We value your business and look forward to serving you.

## UPS GROUND ESTIMATED TRANSIT TIMES

From Temecula, CA 92591



Number is Estimated Days in Transit

# Marketing Assets Policy

## ACCEPTANCE OF AGREEMENT

By accepting these set terms of agreement, you agree to the terms and conditions outlined in this Terms of Use Agreement ("Agreement") with respect to any and all digital files obtained from AXEON Water Technologies ("AXEON"). No media files shall be obtained and used until approval is received. You may also print a digital copy of this agreement from the AXEON website at: [www.axeonwater.com](http://www.axeonwater.com).

## TRADEMARKS

This section establishes the guidelines for customers' use of AXEON's company names and trademarks.

AXEON's company names and trademarks symbolize our corporate brands and their valuable worldwide reputation. Any authorized entity that uses our corporate brand benefits from its value.

AXEON customers can request authorization to use an AXEON company name and / or trademark. While we will agree to lend our brand's value to companies with which we conduct business, that agreement is contingent upon the conscientious application of these guidelines to customers' websites; electronic media; printed materials, including collateral and advertising, direct mail, clothing and other promotional items; and any other contexts in which we approve the use of AXEON's company names and trademarks. **AXEON company name and all AXEON family brand names are trademarked with a Trademark™ or Registered Trademark ® symbol apply.**

## USE GUIDELINES

1. In text, the corporate name must always appear in first use as "AXEON® Water Technologies"; in second and subsequent uses it must always appear as "AXEON." Please note that AXEON is always written in all caps.
2. You may use only the AXEON logo art provided to you by AXEON.
3. Always use the logo on a white background, unless otherwise approved by AXEON.
4. The AXEON logo may not be altered in any way except size. The logo must be used in black-and-white or in the full, original colors and the relative dimensions in which we provide it. The Pantone colors are: Pantone 655 C, Pantone 3115 C.
5. The minimum size of the AXEON logo is 5 / 16" in height. Allow a minimum of 1 / 8" clear space around the logo, on all sides.
6. The AXEON logo must be placed in a freestanding position, independent of other art or text on the page or surface. There should be free space around the entire logo equal to at least the height of the WATER TECHNOLOGIES font within the logo. The logo must always be clearly legible and in harmony with the other design elements. No other design elements may overlap the AXEON logo. On shirt and jackets, the AXEON logo must appear in the left front pocket area.
7. If you are using the AXEON logo in conjunction with that of another manufacturer's, the AXEON logo must be the same size, or larger, as any other logos present, and the AXEON logo must have the correct amount of free space surrounding it.
8. If you have any questions about the use of the AXEON name and trademark, or if you intend to use them in a context not described in this document, please contact: AXEON's Marketing Department 800-320-4074 or [marketing@axeonwater.com](mailto:marketing@axeonwater.com).
9. You may request the AXEON logo art by contacting: AXEON's Marketing Department 800-320-4074 or [marketing@axeonwater.com](mailto:marketing@axeonwater.com).

## DIGITAL FILES

"Digital Files" shall refer to artwork, graphics, images, logos, product names, slogans, drawings, photographs, videos, digital images, audio / visual recordings and all related materials of AXEON. Digital files are protected under applicable trademarks, copyrights and other proprietary rights. The copying, redistribution, use or publication of any digital file except as previously specified, is strictly prohibited. AXEON does not grant the ownership rights to any digital file.

## PRODUCT REPRESENTATION

AXEON only allows products that are designed and intended for distribution online to be sold by internet based businesses. Not all products meet this criteria and may not be sold online. AXEON owns the right and has full discretion as to what products may be sold online.

## RIGHTS TO USE

The rights of use are limited to printed material or digital only, unless otherwise mutually agreed upon in writing by an authorized representative of AXEON. AXEON grants you only a limited, nonexclusive agreement of use and does not authorize the distribution, agreement, sublicense, sale or other use. Digital files may not be reproduced or modified in any form incorporated into any information retrieval system, electronic or mechanical, including web pages other than for your personal corporate internal use with prior written consent from an authorized representative of AXEON. Advertisements, catalogs, brochures, newsletters or any other form of communication containing all or part of the digital file must be approved by an authorized representative of AXEON.

AXEON has the right to request copies of said advertisements, catalogs, brochures, newsletters or other communications containing the digital files. AXEON also reserves the right to cease use and delete previously approved digital files.

## NONTRANSFERABLE

Rights to digital files provided by AXEON Water Technologies are nontransferable, and are exclusive to the person granted access.

## VIOLATIONS

The user agrees to indemnify, defend and hold AXEON and our partners, attorneys, staff, employees, agents and affiliates harmless from any liability, loss, claim and expense, including reasonable attorney fees and costs, related to the user's violation of this agreement.

## MISCELLANEOUS

This agreement shall be governed by and construed in accordance with the laws of the State of California (without regard to conflict of law principles). Any cause of action by the user in respect to digital files, or any information, products or services related hereafter, must be instituted within one (1) year after the cause of action arose or be forever waived and barred. Language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against either party. All legal proceedings arising out of or in connection with this Agreement shall be brought forward in the State of California. The user expressly submits to the exclusive jurisdiction of said courts and consent. Should any part of this Agreement be held invalid or unenforceable, that portion shall be construed consistent with applicable law and the remaining portions shall remain in full force and effect. To the extent that anything in or associated with the Digital Files is in conflict or inconsistent with this Agreement, this Agreement shall take precedence. AXEON's failure to enforce any provisions of this Agreement shall not be deemed a waiver of such provision or of the right to enforce such provision.

## AGREEMENT

By requesting files to be sent directly to you and utilizing any of the images, documents, trademarks or files, you agree to all terms and conditions set forth in this Marketing Asset Policy. You further agree to provide AXEON with proofs of any application of AXEON images, logos, trademarks, documents or data, as well as proofs of any application of our marketing assets prior to any printing, production or release. You understand that if AXEON images are used without approval, AXEON reserves the right to remove permission of use, will not be liable for any costs incurred, and may bring further legal action.

# AXEON Standard Terms and Conditions

## ORDERING

Orders may be phoned, faxed or emailed to AXEON® Water Technologies ("AXEON"). Purchase orders must include AXEON part numbers and pricing. Purchase orders must also state if partial shipments are allowed. If you do not have the correct part numbers, pricing or case quantities, contact the AXEON sales department at: [sales@axeonwater.com](mailto:sales@axeonwater.com).

Verbal orders or verbal changes to orders will be accepted and recorded only with the understanding that AXEON is not responsible and will not cover freight charges for returned merchandise. Furthermore, all merchandise returned for credit placed on verbal purchase orders are subject to a twenty percent (20%) restocking charge. Any non-standard, custom, added options / upgrades or special order items are non-returnable.

## ORDER CONFIRMATIONS

All purchase orders will be confirmed by phone, fax or email. Any discrepancies in part numbers, pricing, descriptions or case quantities will be listed on the order confirmation. It is the customer's responsibility to review the order confirmation and advise if any changes are to be made. If we do not hear from the customer regarding the confirmation within 24 business hours, we will accept the order as accurate and confirmed and will invoice and ship accordingly. Shipping weights, dimensions and anticipated ship dates are all approximate and subject to change.

## QUOTES

Quotations are valid for a period of up to 30 days or for the term stated on the quote, whichever term is shortest.

## MINIMUM ORDERS

Minimum order accepted is \$100.00, not including freight or taxes. The only exceptions to this condition are replacement items with an RMA number.

## PRICES

We make every effort to notify customers with price change information. However, prices are subject to change or correction without notice.

## TAXES

Taxes are not included. Quoted prices are exclusive of all taxes, duties and importation fees. Purchaser shall be responsible for payment of all applicable state / local taxes. Orders shipped within California are subject to applicable state tax rates unless a completed resellers card or exempt certificate is on file.

## FREIGHT

All shipments are F.O.B. AXEON Water Technologies, Temecula, California

## SHIPMENTS

The shipment method should be specified by the customer on the purchase order in advance; otherwise, AXEON will choose the best method of shipment.

## DROP SHIPMENTS

Drop shipments are subject to a \$25.00 surcharge per order.

## PACKAGING

Pricing includes packaging that is satisfactory for air, ocean, truck or containerized shipments at no additional cost. Upgraded packaging is available upon request at an additional fee.

## WILL CALL ORDERS

All standard ordering terms apply to Will Call orders. The customer must advise what day and time they will pick up the order. Completed Will Call orders will be held for a maximum of five (5) business days. A restock charge may be assessed to any Will Call order that is not picked up within five (5) business days. Additions or deletions to Will Call orders after invoicing are subject to all new order Terms and Conditions and a 3% processing fee. Orders are typically pulled within one working day. Will Call orders can only be picked up Monday-Friday from 8:00am to 11:30am and 1:30pm to 3:30pm.

## DOMESTIC CUSTOMER PAYMENT TERMS

Net 30 Terms: Payment is due on or before the thirtieth (30) day from the date of invoice with prior credit approval. All payments must be made via check, money order or wire transfer. Interest will be charged on past due accounts calculated on the unpaid balance at 3% per month (36% per annum) or the maximum rate allowed by law, whichever is less. All questions regarding invoices and terms must be addressed with our accounting department before invoices become due. Orders will not be shipped if any account is past due and / or until payment has cleared. A deposit may be required for special or custom ordered items.

Prepay Payments: Payments are due prior to shipment by check, money order, wire transfer or credit card. Credit cards that are accepted are Visa, MasterCard and American Express. C.O.D. shipments are not offered. A deposit may be required for special or custom ordered items.

## INTERNATIONAL CUSTOMER

Prepay Payments: Payments are due prior to shipment by check, money order, wire transfer or credit card. Credit cards that are accepted are Visa, MasterCard and American Express. C.O.D. shipments are not offered. A deposit may be required for special or custom ordered items. All payments due are in U.S.A. dollars and must be made in advance and must clear before shipment. Irrevocable Letters of Credit are accepted with a minimum order of \$100,000.00 U.S.A. dollars, per order. Unless specifically included as a separate item, prices quoted do not include any city, county, state or federal taxes or transportation of merchandise.

## NSF CHECKS

There is a \$35.00 charge for all non-sufficient funds (NSF) checks.

## ORDER CHANGES

Changes to an order may be made at no charge prior to the confirmation of an order up to 24 hours. Processing of an order begins within one hour of receipt of a purchase order and is accomplished within one working day. Deletions and / or changes to an order after it has been confirmed are subject to a 3% handling / processing charge or a \$50.00 minimum fee, whichever is higher. Changes to orders that are packed and ready for shipment are subject to a restocking fee. Changes may cause additional charges and may increase the time required to ship an order.

## CANCELLATIONS

Orders cancelled after the order has been confirmed will be subject to a minimum 10% cancellation fee (\$50.00 minimum), assuming manufacturing has not commenced, and no detailed engineering or special parts have been ordered. Additional fees may be charged depending on the level of completion of detailed engineering and / or if any special parts have been ordered.

## FREIGHT CLAIMS

Any damage, discrepancies and / or freight claims must be made immediately and directly, in writing within ten (10) business days to AXEON. AXEON will provide reasonable assistance in resolving claims. However, AXEON will not be held responsible for breakage or shortage after products are accepted by common carrier. All shipments must be inspected for damages and counted for shortages at the time of delivery.

## RETURNS

A Return Material Authorization (RMA) number must be obtained from AXEON before any returns can be shipped or accepted. A Merchandise Return Form must be filled out completely and sent with the returned merchandise. RMA numbers expire after 30 days and a new number will need to be requested.

Buyer shall inspect all products immediately upon their delivery to the destination stated in the purchase order and shall within ten (10) business days provide written notice to AXEON of any claim that the products do not conform to the terms of the purchase order. Each product shall be deemed to have been accepted by buyer if it meets specifications as set forth in the applicable purchase order. Notwithstanding the foregoing, use of said product by buyer, its agents, employees or licensees for any purpose shall constitute acceptance of product by the buyer. Special or custom ordered items are non-returnable.

All returns for warranty consideration must be shipped prepaid. Freight collect returns will not be accepted. Returns determined to be in warranty will be replaced or repaired and will be returned to the purchaser prepaid by surface freight. No expedited freight methods will be used at AXEON's expense. All merchandise returned for credit, other than warranty claims, may be subject to a twenty percent (20%) restocking charge.

If the return of any products is made necessary through some fault of AXEON, full credit including transportation cost will be allowed.

# Standard Terms and Conditions (continued)

## RESTOCK

A minimum restocking charge of 20% or \$50.00, whichever is higher may be charged to restock returned products. Orders shipped incorrectly are not subject to restock charges and correct items will be shipped prepaid by surface freight. All other returns are subject to the restock charge. Products must be in the original packaging / container and in sellable condition to be considered for restocking.

## CONTINGENCIES

AXEON shall not be responsible for any liability due to any delay in the performance of any order accepted by it due to unforeseen circumstances or to causes beyond its reasonable control, including, without limitation, acts of God, strikes, war, riots, fire, accident, unusually severe weather, freight embargoes, lock-out of suppliers necessary to the execution of the order, failure, breakdown or shortage of components necessary to the completion of the order, subcontractor caused delays, or the compliance with any law, regulation or order, whether valid or invalid, of any cognizant government body or any instrumentality thereof, whether now existing or hereafter created. Performance of an order shall be deemed suspended so long as any such circumstances or causes delay its execution. Whenever such circumstances or causes have been remedied, buyer shall accept performance under said order. As used herein "performance" shall include, without limitation, fabrication, shipment, delivery, assembly, installation, testing and warranty repair of replacement. AXEON may modify specifications or manufacturing processes provided the modifications do not adversely affect the form, fit or function of the products.

## WARRANTIES

AXEON warrants that the products will conform to the description contained in the applicable specifications. AXEON agrees to repair or replace, at its option, any product found to be defective in workmanship or material during the warranty period. THIS LIMITED WARRANTY SUPERSEDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THIS IS THE SELLER'S ONLY LIABILITY FOR ANY CLAIM IN CONNECTION WITH THE PRODUCTS. AXEON SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR FOR DAMAGES IN AN AMOUNT EXCEEDING THE COST OF ANY DEFECTIVE PRODUCT(S). IT IS AGREED THAT THE BUYER'S SOLE REMEDY AGAINST AXEON IN CONNECTION WITH THE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT OR REFUND OF THE PURCHASE PRICE OF THE PRODUCT. There is no warranty for any product that has been (i) subjected to misuse, neglect or accident, or (ii) altered or repaired in an improper manner. No agent, distributor or any other person is authorized to modify or extend the terms of this warranty in any manner whatsoever. Some states do not allow the exclusion or limitation of incidental or consequential damages, nevertheless, the foregoing paragraph should be construed to limit the liability of AXEON to the fullest extent permitted under the laws of any particular jurisdiction, as applicable. This warranty provides specific legal rights yet buyer may also have other legal rights which vary from state to state.

AXEON warrants that the use or sale of the products (or materials) delivered hereunder will not infringe the claims of any United States Patent covering the products themselves; but does not warrant against infringement by reason of the use thereof in combination with other products or in the operation of any process.

The maximum total liability of AXEON for all causes including any breach of warranty or failure to deliver conforming goods shall not exceed the value of the purchase order. Reference AXEON product warranties for specific details and information at [axeonwater.com](http://axeonwater.com).

## POLICY

These terms and conditions may be superseded by specific provisions provided by AXEON. However, should any of these terms and conditions be contrary to or inconsistent with any terms and conditions contained in any purchase order form or other document between AXEON and the buyer, which is prepared by the buyer and whenever executed, the provisions hereof shall be controlling and shall supersede the conflicting terms and conditions which are contained in such other document, provided, that if there is a conflict between these Terms and Conditions and any individual purchase order or written proposal prepared by AXEON, the purchase order or written proposal will control with respect to such inconsistency. No changes shall be made to our terms and conditions unless prior written authorization by AXEON.

## ASSIGNMENT

AXEON may assign all or any part of its rights and / or obligations hereunder to any subsidiary or an authorized distributor of AXEON without buyer's prior consent. Otherwise, neither party shall delegate any obligations herein or assign any interest or rights without the prior consent of the other.

## IMPORT AND EXPORT CONTROLS

Any and all obligations of AXEON to provide products, as well as technical assistance, shall be subject in all respects to such United States laws and regulations as shall from time to time govern the license and delivery of products abroad by persons subject to the jurisdiction of the United States, including the Export Administration Regulations issued by the Department of Commerce, Bureau of Export Administration. Without in any way limiting the provisions of these Terms and Conditions, buyer agrees that it will not export, re-export or transship, directly or indirectly, any of the products sold to buyer in violation of United States export laws and regulations.

## WAIVERS

A waiver by AXEON of any default by buyer shall not be deemed to be a continuing waiver or a waiver of any other default but shall apply solely to the instance to which the waiver is directed.

## CONTROLLING LAW

These Terms and Conditions shall be governed by and subject to the laws of the State of California, U.S.A. These Terms and Conditions shall be considered entered into in the State of California, U.S.A. The Federal (Central District of California) and State (Orange County) courts within the State of California shall have exclusive jurisdiction to adjudicate any dispute arising out of these Terms and Conditions. Buyer hereby irrevocably waives any claim it may have that any proceedings brought in such courts have been brought in an inconvenient forum expressly consents to (i) the personal jurisdiction of these federal and state courts within California, and (ii) service of process being affected upon it by registered mail sent to the address on file with AXEON. The parties specifically waive application of the UN Convention on Contracts for the International Sale of Goods.

## INDEMNITY

Each party will indemnify and hold the other party harmless from and against any and all claims, as incurred, arising out of any negligent or willful acts or omissions of the indemnifying party which results in personal injury (including death) or damage to tangible property (not including lost or damaged data).

## PROFESSIONAL FEES

In any suit or proceeding relating to these Terms and Conditions the prevailing party will have the right to recover from the other its reasonable costs and expenses incurred in connection with such suit or proceeding, including reasonable fees and expenses of attorneys, accountants and other professionals.

## SEVERABILITY

If any court of competent jurisdiction holds that any provision of the purchase order is illegal, invalid, or unenforceable, the legality, validity, and enforceability of the remaining provisions of the purchase order will not be affected or impaired, and all remaining terms of this purchase order remain in full force and effect, provided that this provision shall not be applied to defeat the intent of the parties.

## ENTIRE AGREEMENT

These Terms and Conditions are intended as the complete and exclusive statement between AXEON and buyer and supersede all prior agreements and negotiations relating to the subject matter hereof.

These Terms and Conditions are hereby agreed to and accepted by the undersigned:

Signature

Company Name

Print Name

Date



Behind every AXEON product is our  
**watermark of  
distinction.**<sup>TM</sup>

It reflects 30 years of achievement,  
making our mark as a world leader and  
your partner in the engineering and  
manufacturing of innovative membrane  
filtration systems and components.



800-320-4074 | [axeonwater.com](http://axeonwater.com)

# The Watermark of Distinction.<sup>™</sup>

**Let's talk about a solution for you.**

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40980 County Center Drive, Temecula, CA 92591, USA

**P** 800-320-4074 | **T** 760-723-5417 | **F** 800-609-0829 | [axeonwater.com](http://axeonwater.com)

