

Why Applied Membranes?

- Industry Leader in RO Expertise and Membrane Applications Since 1983™
- ISO 9001:2008 Certified
- Over 10,000 commercial/industrial systems in operation.
- Our products are being used in over 100 countries worldwide.
- From packaged systems to custom engineered Reverse Osmosis systems, we can take care of your needs.
- We are one of the few companies that have the expertise to provide Reverse Osmosis systems for drinking water, boiler feed water, seawater desalination, ultrapure water, USP water, and water reuse.
- We have supplied more systems to more countries than most of our competitors.
- Our customers include major national and international companies in every field of application.
- We stock more components for all sizes of RO systems than any other company.
- We have earned an enviable reputation for our product quality, performance reliability and business integrity.



**ISO 9001:2008
Certified Company**



2325 Cousteau Ct.
Vista, CA 92081
www.appliedmembranes.com

Phone: (760) 727-3711
Fax: (760) 727-4427
sales@appliedmembranes.com

Representatives Worldwide

How To Place An Order

To place an order, please contact us using the information below:

- **Fax:** You may fax an order to us at 760-727-4427. For your convenience, we have enclosed an order form to copy and use for faxed orders, please see page 11-15. Purchase orders are also accepted.
- **Phone:** Call us at 760-727-3711 to speak to a member of our technical sales or customer service department.
- **E-mail:** E-mail our customer service department at sales@appliedmembranes.com

Payment: Applied Membranes, Inc. accepts Visa, MasterCard, American Express, and Discover. For account terms and additional payment information, please contact Applied Membranes, Inc.



Delivery: We have a large inventory for immediate delivery for most parts contained in this catalog. Orders placed before 2:30 P.M. will ship the same day if the product is in stock. Orders placed after 2:30 P.M. will ship the next business day. If the product is not in stock, we will be happy to process a back order.

**APPLIED
MEMBRANES INC.®**

**ISO 9001:2008
Certified Company**

(760) 727-3711 • FX: (760) 727-4427
www.appliedmembranes.com
sales@appliedmembranes.com

AM, APPLIED MEMBRANES INC., APPLIED ARE TRADEMARKS OF APPLIED MEMBRANES, INC. © 2012

Company Overview

Products

Applied Membranes manufactures commercial and industrial reverse osmosis, nanofiltration, ultrafiltration and microfiltration systems, from 20 gallons per day to millions of gallons per day. These systems also include all pretreatment and post-treatment equipment.

Applied Membranes also manufactures membrane elements for reverse osmosis, nanofiltration, and ultrafiltration use. In addition, Applied Membranes carries every component used in building reverse osmosis systems of any size. Our large inventory of these components allows us to give our customers a fast and efficient service. We are a major stocking distributor for FILMTEC® (Dow), Hydranautics, Toray and other membranes elements.

Experience

Applied Membranes has experience in every facet of membrane technology. From membranes to systems, from water chemistry to membrane cleaning and from tap water to seawater we have over 20 years of hands-on experience to help you in your requirements.

We have supplied systems and services to customers in ultrapure, potable, dialysis, pharmaceutical, water recycle, seawater desalination and numerous other applications. Each application has required our in-depth understanding of the specific need of the industry and the optimum use of membrane technology.

Applied Membranes has trained hundreds of professionals in reverse osmosis technology. This exchange and transfer of ideas and information keeps Applied Membranes in the forefront of technology.

Applied Membranes has supplied systems or provided consulting for many Fortune 500 companies. Our products have earned a high reputation for excellence in quality, reliability and follow-up service. This reputation is the key impetus for the growth of the company.

Markets

Applied Membranes sells membranes, components and systems for all applications where membrane technology is proven and competitive. Examples of these applications are ultrapure water for semiconductor and pharmaceutical industries; potable water from well, river or sea water; rinse water for manufacturing, car wash or electroplating industries; central water supply for hemodialysis; water recycle for municipal or industrial water.

Our products are sold worldwide through original equipment manufacturers or company representatives. These companies also provide local service and parts for the operations and maintenance of systems. Some markets are served directly by Applied Membranes from its offices in Vista, California.

What's Inside?

• MEMBRANES & PRESSURE VESSELS

- Tap Water Thin Film/ CTA/CAB Elements
- Brackish Water FRP Elements
- Seawater Elements
- Ultrafiltration, Nanofiltration, Microfiltration Elements
- Stainless Steel, PVC & Fiberglass Housings

• RESIDENTIAL COMPONENTS & SYSTEMS

- Under the Counter & Counter-Top Systems
- Membrane Housings
- Flow Restrictors
- Faucets
- Storage Tanks
- Brackets & Clips
- Fittings
- Tubing
- Booster Pumps

• FILTERS & HOUSINGS

- Carbon Filter Cartridges
- Sediment Filter Cartridges
- In-Line Filters
- Specialty Filters
- Filter Housings
- Commercial Filters & Housings
- Bag Filters

• COMMERCIAL COMPONENTS

- Pumps & Motors
- System Controllers & Instruments
- Flow Meters, Pressure Gauges, Floats
- Solenoid Valves, Valves, Fittings, Hose
- Fittings & Tubing
- Storage Tanks

• MEMBRANE SYSTEMS

- Tap Water & Brackish Water Systems
- Seawater Systems
- Packaged Water Systems - Water Stores
- Hollow Fiber Ultrafiltration Systems
- Electrodeionization
- Cleaning Systems
- Mineral Injection Systems

• MEDIA FILTERS

- Softeners, Carbon Filters, Multimedia Filters
- Iron Filters, Neutralization Filters
- Filtration Media & Ion Exchange Resins
- Fleck Valves
- Mineral Tanks, Distributors & Components
- Brine Tanks, Cabinets, KMNO4 Feeders

• TEST KITS & METERS

- Silt Density Index Test Kits & Monitors
- Hand Held and Pocket Test Meters
- Water Quality Test Kits

• MEMBRANE CHEMICALS

- Membrane Cleaners & Preservatives
- Membrane Cleaning Cartridges
- Antiscalants & Dispersants
- Membrane Cleaning Services

• ULTRAVIOLET DISINFECTION

- Residential & Commercial UV Systems
- Ultraviolet Drinking Water Systems w/ Filters

• TECHNICAL INFORMATION

Membranes

- **AMI**[®]
- DOW/ FILMTEC[®]
- Hydranautics[®]
- Koch Fluid Systems[®]
- Toray[®]
- Inge[®]

Filters & Housings

- **AMI**[®]
- KX[®]
- Pentek[®]
- Ompure[®]
- Aqualine[®]
- Hydroblend[®]
- Cuno AquaPure[®]
- Shelco[®]
- Harmsco[®]

Residential

- **AMI**[®]
- HM Digital[®]
- Tomlinson[®]
- ROMATE[®]
- Amtrol[®]
- Jaco[®]
- John Guest[®]
- AquaTec[®]
- ShurFlo[®]
- FloJet[®]

Commercial Pumps

- Procon[®]
- Goulds[®]
- Grundfos[®]
- CAT[®]
- Sta-Rite[®]
- LMI[®]

Instruments

- **AMI**[®]
- Blue-White[®]
- Hach[®]
- HM Digital[®]
- Hanna[®]
- King[®]
- Myron-L[®]
- GF Signet[®]
- SquareD[®]
- Nason[®]
- Furnas[®]
- ITT[®]

Pressure Vessels

- **AMI**[®]
- CodeLine[®]
- Protec[®]

Media

- **APPLIED**[®]
- DOW[®]
- ResinTech[®]
- Clack[®]
- Structural/Fleck[®]

Testers

- **APPLIED**[®]
- HM Digital[®]
- Hanna[®]
- Myron L[®]
- Hach[®]

UV

- **AMI**[®]
- Sterilight[®]
- NeoTech Aqua[®]

Table of Contents

• Order Form	11-15	• System Design & Feed Analysis Worksheet	11-14
• Credit Application	11-16	• Product Warranty	11-17
• Terms & Conditions, Return Policy	vi	• Product Index	11-19

Membranes – Section 1

• AMI Thin Film (Residential & Commercial)	1-1
• AMI Brackish Water Elements	1-6
• AMI Seawater Elements	1-9
• AMI CTA Elements	1-10
• Replacements for Other Manufacturers	1-12
• AMI Nanofiltration (NF) Elements	1-14
• AMI Ultrafiltration (UF) Elements (Spiral Wound)	1-15
• AMI Hollow Fiber Ultrafiltration Elements	1-17
• AMI Microfiltration (MF) Elements	1-18
• FilmTec DOW Membrane Elements	1-20
• Hydranautics Membrane Elements	1-31
• Koch/Fluid Systems Membrane Elements	1-37
• Toray Membrane Elements	1-38
• Inge Hollow Fiber UF Elements	1-40

Pressure Vessels – Section 2

• AMI PVC Vessels	2-1
• AMI Stainless Steel U-Pin Style Vessels	2-3
• AMI Stainless Steel End Clamp Style Vessels	2-6
• AMI Fiberglass Seawater Vessels	2-8
• CodeLine FRP Pressure Vessels	2-9
• Protec FRP Pressure Vessels	2-11
• Mounting Accessories	2-13
• Membrane Interconnectors/Couplers	2-14

Residential Components – Section 3

• Point of Use Drinking Water Systems	3-1
• Point of Entry Filter Systems	3-9
• Water Quality Monitors	3-11
• Membrane Housings	3-11
• Faucets	3-12
• Flow Restrictors	3-13
• Storage Tanks	3-14
• Valves (Ball, Float, Shut-Off, Check, Feed)	3-15
• Drain Saddles	3-16
• Mounting Brackets & Clips	3-17
• Fittings (Jaco, John Guest)	3-18
• Tubing, Lubricant, Flush Timers	3-21
• Pumps (Booster, Permeate, Delivery, Dispensing)	3-22

Filters and Housings – Section 4

• AMI Carbon Filters	4-1
• AMI Sediment & DI Filters	4-2
• AMI Special Purpose Filters	4-4
• KX MATRIKX Extruded Carbon Filters	4-5
• Pentek (Ametek) Filter Cartridges & Bag Filters	4-7
• Omnipure Filters	4-13
• Aqualine Special Purpose Filters	4-23
• Cuno AquaPure Filters	4-24
• HydroBlend ScaleStick	4-24
• Replacements for Hydrotech & Culligan	4-24
• Filter Housings & Accessories (AMI, Pentek)	4-25
• Bag Vessels	4-27
• Shelco SS Multi-Cartridge Filter Housings	4-27
• AMI SS Multi-Cartridge Filter Housings	4-28
• Harmsco Filters & Housings	4-30

Commercial Components – Section 5

• Procon Pumps & Motors for Procon Pumps	5-1
• Pump & Motor Assemblies (Goulds, Grundfos)	5-4
• CAT Plunger Pumps	5-7
• Sta-Rite Booster Pumps	5-9
• LMI Chemical Metering Pumps	5-9
• Instruments and Controls	5-10
• Commercial Valves & Components	5-16
• Storage Tanks	5-20

RO Systems – Section 6

• AA Series RO – 220 to 1,000 GPD	6-1
• WM Series Wall Mount RO – 250 to 4,000 GPD	6-3
• CL Series Economy RO – 2,000 to 10,000 GPD	6-7
• L Series RO – 300 to 19,000 GPD	6-9
• J Series RO – 11,500 to 28,800 GPD	6-15
• K Series RO – 28,800 to 460,000 GPD	6-17
• SY Series Seawater RO – 100 to 1,600 GPD	6-19
• S Series Seawater RO – 2,000 to 132,000 GPD	6-23
• HF Series Hollowfiber UF – 10 to 220 GPM	6-25
• PW Series RO Packaged – 1,800 to 9,500 GPD	6-27
• EDI Series Electro Deionization – 360 to 86,400 GPD	6-29
• Custom Systems (Solar, Cleaning, Containerized)	6-31
• Mineral Injection Systems	6-36

Table of Contents

Media Filters – Section 7

• Water Softeners	7-1
• Carbon Filters	7-5
• Multi-Media Filters for Sediment Removal	7-6
• Filter-AG Filters for Sediment Removal	7-7
• Pyrolox Filters for Iron Removal	7-8
• Manganese Greensand Filters for Iron Removal	7-9
• Calcite Filters for Neutralizing pH of Water	7-10
• Filtration Media	7-11
• Ion Exchange Resin (DOW, ResinTech)	7-12
• Fleck Control Valves	7-13
• Mineral Tanks	7-16
• Mineral Tank Adapters & Accessories	7-17
• Brine Tanks & Regeneration Equipment	7-20

Test Kits & Equipment – Section 8

• Direct SDI Portable SDI Test Assembly	8-1
• Automatic SDI Testers (Simple SDI, EZ SDI)	8-2
• Pocket Water Testers (HM Digital, Hanna)	8-4
• Myron L Hand-Held Testers (Digital & Analog)	8-6
• Chemical Test Kits, Photometers, Colorimeters	8-8
• Turbidimeters	8-10
• Calibration & Buffer Solutions	8-10

Membrane Chemicals – Section 9

• Membrane Cleaning Chemicals	9-1
• Membrane Preservative & Support	9-1
• Membrane Cleaning Cartridges	9-2
• Membrane Preserving Cartridges	9-2
• Flocon Antiscalant & Antifoulant	9-3

UV – Section 10

• Sterilight SC Copper Series – 2 to 7.5 GPM	10-1
• Sterilight SSM Silver Series – 3.2 to 29 GPM	10-2
• Sterilight SPV Platinum (NSF) – 2 to 15 GPM	10-5
• Sterilight Light Commercial – 50 to 80 GPM	10-7
• Sterilight UV Drinking Water Systems w/ Filters	10-8
• NeoTech 2" Chamber UV – 35 to 65 GPM	10-9
• NeoTech 3" Chamber UV – 100 to 225 GPM	10-10
• NeoTech 4" Chamber UV – 300 to 500 GPM	10-11
• UV Technical Info & Installation Diagrams	10-12

Commercial & Tech. Info – Section 11

• Unit of Measure Conversion Chart	11-1
• Temperature Correction Factor	11-2
• Net Pressure Correction	11-3
• Membrane Rejection Characteristics	11-4
• Comparison of Membrane Processes	11-5
• Membrane Cleaning Guidelines & Selection	11-6
• Membrane Cleaning Procedure	11-7
• Membrane & System Preservation Procedure	11-9
• Membrane & System Disinfection Procedure	11-10
• Membrane Storage & Shipping Guidelines	11-11
• SDI Test & Calculation Procedure	11-12
• System Design & Feed Analysis Worksheet	11-14
• Order Form	11-15
• Credit Application	11-16
• Product Warranty	11-17
• Membrane Warranty	11-18
• Detailed Product Index	11-19



*AMI has a large inventory of water treatment systems, membranes, and components.
Most items in this catalog can ship the same day you place your order.*

**APPLIED
MEMBRANES INC.®**

**ISO 9001:2008
Certified Company**

(760) 727-3711 • FX: (760) 727-4427
www.appliedmembranes.com
sales@appliedmembranes.com

AM, APPLIED MEMBRANES INC., APPLIED ARE TRADEMARKS OF APPLIED MEMBRANES, INC. © 2012

Terms and Conditions

- All prices are quoted Ex-Works Vista, California and are in US Dollars. Only domestic packaging is included. Special packaging or crating is not included in the prices.
 - All products carry a one-year material and workmanship guarantee. Please refer to our detailed warranty information on pages 11-17 and 11-18.
 - Applied Membranes, Inc. expressly disclaims any liability for consequential damages resulting from the failure of its products to perform as specified.
 - Claims for error in quantity or condition must be made within 10 days after receipt of the material. Applied Membranes will not be responsible for any claimed shortages not reported within this period.
 - Claims for damages incurred in transit must be filed immediately and directly to the carrier. Please notify us if a claim has been made. Applied Membranes will offer as much assistance as possible.
 - Payment is by wire transfer, credit card, letter of credit, or on terms if an account with credit approval has been established.
 - All weights, dimensions, and volumes are approximate.
 - Prices subject to change without notice.
-
-

Product Return Policy

- All product returns must bear an RGA (Return Goods Authorization) number. Please contact Applied Membranes to obtain an RGA number prior to shipment. The RGA number must appear on the outside of all packages. Items sent without an RGA number will be returned.
- Returns should be sent to: Applied Membranes, Inc.
2325 Cousteau Ct.
Vista, CA 92081, USA
- Returns for warranty evaluation of items within the warranty period must be approved by Applied Membranes and have an RGA number. Buyer pays all freight charges for returned goods. Returned goods must be properly packaged before shipment to allow a complete warranty inspection.
- All returns for credit or exchange are subject to a 25% restock fee.
- All goods must be returned freight prepaid within 7 days of receipt. Freight will not be credited.
- All returned items must be new and unused. Assembled items or kits consisting of multiple parts must be returned complete with all components present.
- Returned goods must be properly packaged before shipment and arrive in good condition to be considered for a credit.