

APPLIED[®] SYSTEMS USA

Advantage Series – Complete Compact RO Systems up to 10,000 GPD

- Compact, Customizable and Expandable
- Low Maintenance and Low Operating Costs
- Fully Assembled and Ready to Run

AMI's Advantage Series RO Systems are designed to produce low dissolved solids product water from tap or well water. These systems use high efficiency, low energy membranes, and run at high recovery offering low maintenance and operational costs. They incorporate carbon filters for chlorine removal, and sediment pre-filtration prior to the RO for a packaged unit that is ready to run out of the box.

Systems can be private labeled to help you further your own brand awareness.



Standard Features

- Thin Film Composite Membranes in SS Vessels
- Big Blue Carbon block and 5M Sediment Prefilters in Housings.
- Automatic Inlet Feed Solenoid Valve
- System & Recycle Control Valves
- Low Pressure Pump Protection
- High Pressure RO Pump
- (4) Pressure Gauges: System Pressure, Concentrate Pressure, Filter In and Filter Out.
- (3) Panel Mounted Flow Meters: Permeate, Concentrate and Recycle Flow.
- Powder Coated Carbon Steel Frame
- Boxed and Palletized for Shipment

Automatic Microprocessor Controller

Monitors and/or Controls:

- Inlet Valve
- Low Pressure Switch
- Pre-Treatment Backwash/Lockout
- System On/Off According to Tank Level (Floats Purchased Separately)

Indicator Lights:

- Low Pressure Shutdown/Auto Restart
- Power On/ Pretreatment Lockout
- Storage Tank Full

Why Applied Membranes?

- 38 years of experience with over 10,000 commercial/industrial AMI[®] water treatment systems in operation.
- Our products are being used in over 100 countries worldwide.
- 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.

Key Features

- Compact, Heavy Duty, Powder Coated Frame
- Proven components used throughout the system
- Conservatively engineered for reliable long term performance
- Factory tested to ensure trouble-free operation

Applications

- Spot Free Rinse/Car Wash
- Water Stores
- Whole House
- Labs
- Large Office
- Institutions
- Ice Makers
- Humidification
- Misting
- Manufacturing
- Rinse Water
- Wide Variety of Other Applications

APPLIED
MEMBRANES INC.[®]

Industry Leader in RO Expertise and Membrane Applications Since 1983™



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Advantage Series – Complete Compact RO Systems up to 10,000 GPD

Series P: 350 to 1,000 GPD

- 10" Big Blue Carbon Block and 5 Micron Sediment Filter
- 2.5" Diameter × 21" Length Thin Film Membranes in SS Housings
- System Dimensions: 21.75"L × 20"W × 33"H

Model No.*	System Capacity		Membrane Qty.	Connections			Approx. Shipping Weight (Lb/Kg)
	GPD	m ³ /day		Inlet	Conc.	Perm.	
P-125A	350	1.3	1	1/2"	3/8"	3/8"	60
P-225A	700	2.7	2	1/2"	3/8"	3/8"	65
P-325A	1,000	3.8	3	1/2"	3/8"	3/8"	70



Series T: 600 to 1,700 GPD

- 20" Big Blue Carbon Block and 5 Micron Sediment Filter
- 2.5" Diameter × 40" Length Thin Film Membranes in SS Housings
- System Dimensions: 23"L × 24"W × 55"H

Model No.*	System Capacity		Membrane Qty.	Connections			Approx. Shipping Weight (Lb/Kg)
	GPD	m ³ /day		Inlet	Conc.	Perm.	
T-125A	600	2.0	1	3/4"	1/2"	1/2"	95
T-225A	1,200	4.5	2	3/4"	1/2"	1/2"	105
T-325A	1,700	6.4	3	3/4"	1/2"	1/2"	115



Series M: 2,000 to 10,000 GPD

- 20" Big Blue Carbon Block Filters (2) and 5 Micron Sediment Filter
- 4" Diameter × 40" Length Thin Film Membranes in SS Housings
- System Dimensions: 35"L × 24"W × 55"H

Model No.*	System Capacity		Membrane Qty.	Connections			Approx. Shipping Weight (Lb/Kg)
	GPD	m ³ /day		Inlet	Conc.	Perm.	
M-14A	2,000	7.5	1	3/4"	1/2"	1/2"	220
M-24A	4,000	15.0	2	3/4"	1/2"	1/2"	235
M-34A	5,800	22.0	3	3/4"	1/2"	1/2"	250
M-44A**	7,500	28.0	4	3/4"	1/2"	1/2"	265
M-54A**	9,000	34.0	5	3/4"	1/2"	1/2"	280
M-64A**	10,000	38.0	6	3/4"	1/2"	1/2"	295



Voltage Code and System Notes

***Voltage:** Please add our voltage codes to the end of the model number when ordering. Example: M-14A-116

Voltage Codes: • 116 = 110v, 1ph, 60hz (P & T Models only) • 216 = 220/230v, 1ph, 60hz • 215 = 220/230v, 1ph, 50hz

****M-44A, M-54A, and M-64A are available in 215 and 216 voltage only. 116 is not available for these models.**

- **Recommended Pre-Treatment Equipment:** All pretreatment equipment and SDI test kits are available from Applied Membranes.
- **Water Softener:** Hardness must be removed if present in feed water prior to RO to avoid scaling the membranes.
- **Multimedia filter:** If feed water exceeds <1 NTU turbidity, or silt density index (SDI) of 3, media filter pretreatment recommended.
- **Systems rated at:** 77°F (25°C) using 1000 ppm sodium chloride solution operating at approx. 200 psi. **Capacity Basis:** 24 hrs/day
- **Minimum feed pressure to RO System:** 40-60 PSI. System capacity changes significantly with water temperature
- **All dimensions and weights are approximate.**

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