

APPLIED[®] SYSTEMS USA

Series AA – 220 to 1,000 GPD RO Systems

Reverse Osmosis Systems 220 to 1,000 Gallons/Day For Feed Water TDS up to 1000 PPM

Designed to produce low dissolved solids water from tap or well water, these systems use high efficiency reverse osmosis membranes. The economically priced Series AA Systems offer a compact design and are simple to install and operate. When combined with a softener as pretreatment, they offer a reliable water purification solution.

Key Features

- 38 years of experience is reflected in our quality
- 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
- High quality Thin Film Composite Membranes in Stainless Steel Membrane Housings
- Sediment and Carbon Pre-filter Cartridges in Polypropylene Filter Housings
- Instrumentation for automatic operation
- Made in USA

Applications

- Restaurants
- Aquariums
- Small Manufacturing
- Residential
- Office
- Lab
- Institutions
- Ice Makers
- Humidification
- Misting
- Rinse Water
- A wide variety of other applications



APPLIED
MEMBRANES INC.[®]

Industry Leader in RO Expertise and Membrane Applications Since 1983™



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Series AA – 220 to 1,000 GPD RO Systems

Standard Equipment

- Thin Film Composite Membranes
- Stainless Steel Pressure Vessels
- Rotary Vane Brass Pump Motor
- 5 Micron Pre-Filter (1)
- 10 Micron Carbon Filters (2)
- Polypropylene Filter Housings (3)
- Auto Feed Shut Off
- Heavy Duty Powder Coated Frame
- Liquid Filled System Pressure Gauges
- Low Pressure Switch
- Brass Pressure Regulator
- Polyethylene High pressure tubing
- Product Tank Pressure Control (turns system off with pressurized tank – tank sold separately)

Ordering Information

Model No.	System Capacity		Membrane Elements		Line Sizes (NPT, Inches)			System Dimensions (in/cm)			Approx. Shipping Weight (Lb/Kg)
	GPD	m ³ /day	Qty.	Size (Dia.×L)	Inlet	Perm.	Conc.	Width	Depth	Height	
AA-12514	220	0.8	1	2.5"×14"	3/8"	1/4"	3/8"	21/53	17/43	26/66	55/24
AA-12521	350	1.3	1	2.5"×21"	3/8"	1/4"	3/8"	28/71	17/43	26/66	60/26
AA-22521	700	2.7	2	2.5"×21"	3/8"	1/4"	3/8"	28/71	17/43	26/66	70/30
AA-32521	1,000	3.8	3	2.5"×21"	3/8"	1/4"	3/8"	28/71	17/43	26/66	75/34

Optional Equipment

Please note that optional equipment will increase system dimensions and/or weight.

- Stainless Steel Pump
 - Pressurized Product Water Storage Tank in 40 or 80 Gallon Size*
 - RO Permeate Quality Monitor
 - Water Softener*
 - Back-washable Pretreatment* - Carbon or Media
 - Crating
- *Recommended Minimum Options

Notes

- All dimensions and weights are approximate.
- System must operate with a pressurized storage tank to turn system on/off (quoted separately).
- Systems rated at 77°F (25°C) using 1000 ppm sodium chloride solution and 200 psi pressure. System capacity changes significantly with water temperature. For higher TDS, a water analysis must be supplied and could result in modifications to the system.
- Chlorine must be removed with a carbon filter prior to RO system, if present in the feed water.
- Water must be pretreated by a softener or antiscalant to avoid scaling the membranes.
- Standard packaging is boxed, crating optional.

Voltage/ Ordering Information

Please add our voltage codes to the end of the model number when ordering.

Example: AA-12521-**116** = 110v, 1 ph, 60 hz.

- Voltage Codes:
- **116** = 110v, 1ph, 60hz
 - **215** = 220/230v, 1ph, 50hz
 - **216** = 220/230v, 1ph, 60hz
 - Three Phase Not Available

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