

APPLIED[®] SYSTEMS

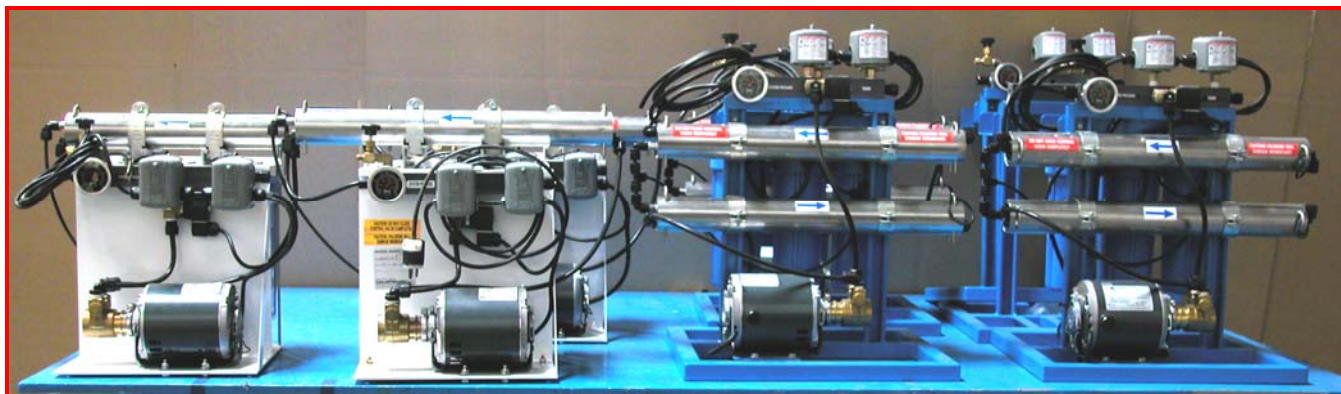
SERIES AA – 220 - 700 GPD SYSTEMS

Designed to produce low dissolved solids water from tap or well water, these systems use high efficiency reverse osmosis membranes. The product water is used in applications such as restaurants, aquariums, small manufacturing, and a wide variety of other applications.

Series AA systems offer a compact design. These economically priced systems are simple to install and operate. When combined with a softener as pretreatment, they offer a reliable water purification solution.

Key Features:

- Over 20 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



Pureworld Solutions Inc.

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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)
- Brass 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)

OPTIONAL EQUIPMENT

- Stainless Steel Pump
- Stainless Steel Back Pressure Regulator
- Pressurized Product Water Storage Tank* in 10, 30, 40 or 88 Gallon Size
- Recycle Loop with Brass Valve
- Tank Level Control for Atmospheric Tank
- Softener*
- Backwashable Pretreatment* – Carbon or Media
- Crating

**Recommended Minimum Options*

| Model | Capacity | | Elements* | | Line Sizes (In/Cm) | | | Dimensions (In/cm) | | | Approx Shipping Weight (lb/kg) |
|-----------------|----------|---------------------|-----------|----------------|--------------------|--------|--------|--------------------|-------|--------|--------------------------------|
| | GPD | m ³ /day | Qty. | Length (In/cm) | Inlet | Perm. | Conc. | Length | Width | Height | |
| AA-12514 | 220 | 0.8 | 1 | 14/36 | .375/1 | .375/1 | 0.25/1 | 14/36 | 26/66 | 20/51 | 55/24 |
| AA-12521 | 350 | 1.3 | 1 | 21/54 | .375/1 | .375/1 | 0.25/1 | 14/36 | 26/66 | 20/51 | 60/26 |
| AA-32514 | 525 | 2.0 | 3 | 14/36 | .375/1 | .375/1 | 0.25/1 | 14/36 | 26/66 | 20/51 | 65/21 |
| AA-22521 | 700 | 2.7 | 2 | 21/54 | .375/1 | .375/1 | 0.25/1 | 14/36 | 26/66 | 20/51 | 70/30 |

**Elements are 2.5" (6.4 cm) Diameter*

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 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.

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 116 = 110v/ 1ph/ 60hz
Codes: 216 = 220/230v, 1ph, 60hz
 215 = 220/230v, 1ph, 50hz

Three Phase Not Available



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