



## AES Series Reverse Osmosis Systems

- ✓ Free Stand or Wall Mount Design
- ✓ Advance Membrane Technology
- ✓ Precision Manufacturing Tolerances
- ✓ Made in the USA

### Features

- Powder Coated Aluminum Frame
- AdvanTech Aqua® Stainless Steel Permeate Flow Meter
- AdvanTech Aqua® Stainless Steel Concentrate Flow Meter with Integrated Needle Valve
- AdvanTech Aqua® Stainless Steel Concentrate Recirculate Flow Meter with Integrated Needle Valve
- AdvanTech Aqua® Dual 0-100psi Pre-Filter Pressure Gauges
- AdvanTech Aqua® 0-300psi Pump Pressure Gauge
- AdvanTech Aqua® 100-Series Membranes
- AdvanTech Aqua® 304 Stainless Steel Membrane Housings
- AdvanTech Aqua® 304 Stainless Steel, IP65 Rated Solenoid Valve
- Dual TDS Meter
- Computer Controller with 5 LED Status Indicators
- 4.5" X 10" / 4.5" X 20" Filter Housings (Made in the USA)



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# ADVANTECH AQUA™

Advancing Water Treatment Through Technology™

MODEL	AES-250	AES-500	AES-1000	AES-2000
110V 60Hz	AES25010	AES50010	AES100010	AES200010
220V 60Hz	AES25011	AES50011	AES100011	AES200011
Flow Specifications				
Production Capacity gpm / lpm	.17 gpm .64 lpm	.34 gpm 1.28 lpm	.69 gpm 2.61 lpm	1.38 gpm 5.22 lpm
Recovery Range	35%	50%	35%	50%
Max Feed T.D.S.	2000	2000	2000	2000
Membranes and Vessels				
Membrane	100-2521	100-2521	100-4021	100-4021
Membrane Qty.	1	2	1	2
Membrane Size	2521	2521	4021	4021
Nominal Rejection	98.5%	98.5%	98.5%	98.5%
Vessel Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Vessels	1	2	1	2
Array	1	1:1	1	1:1
Pre-Filters				
Size	4.5" X 10"	4.5" X 10"	4.5" X 20"	4.5" X 20"
Type	Sediment	Sediment	Sediment	Sediment
Micron	5	5	5	5
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Type	Block	Block	Block	Block
Micron	10	10	10	10
Material	Coconut Carbon	Coconut Carbon	Coconut Carbon	Coconut Carbon
Pump and Motor				
Pump Type	Vane	Vane	Vane	Vane
Pump Material	Low Lead Brass	Low Lead Brass	Low Lead Brass	Low Lead Brass
Motor HP (60Hz)	1/3	1/3	3/4	3/4
Motor Type	Carbonator	Carbonator	Carbonator	Carbonator
Electrical				
Phase	1	1	1	1
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Amp Draw 110V	7	7	11	11
Amp Draw 220V	4	4	7	7
Connections				
Feed	¾" FNPT	¾" FNPT	¾" FNPT	¾" FNPT
Permeate	3/8" QC	3/8" QC	1/2" QC	1/2" QC
Concentrate	3/8" QC	3/8" QC	1/2" QC	1/2" QC
Weights & Dimensions				
L" X W" X H"	15 ¾" X 25" X 31"	15 ¾" X 25" X 31"	21 ¾" X 25" X 31"	21 ¾" X 25" X 31"
Weights (lbs.)	80	90	110	120

Systems production and recovery based on 500TDS, 77°F softened feed water. Computer projections should be run to optimize the systems recovery and membrane life.