



AES Series Reverse Osmosis Systems

100 psi™
Operating Pressure

- ✓ World Class Manufacturing Facility
- ✓ Advance Membrane Technology
- ✓ Precision Manufacturing Tolerances
- ✓ 35+ Combined Years Experience
- ✓ Made in the USA

Features

- Powder Coated Aluminum Frame
- AdvanTech Aqua™ ABS Permeate Flow Meter
- AdvanTech Aqua™ Stainless Steel Concentrate 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™ Stainless Steel Membrane Housings
- 15psi / 30psi Low Pressure Switch
- AdvanTech Aqua™ 304 Stainless Steel, IP65 Rated Solenoid Valve
- Dual TDS Meter
- Computer Controller with Low Pressure Alarm

*Additional Options Available



Ph: 866-851-4566

Fax: 951-200-4391

E-Mail: info@advantechaqua.com

Web: www.advantechaqua.com



MODEL	AES-250	AES-500	AES-1000	AES-2000
Part Number 110V 60Hz	AES25010	AES50010	AES100010	AES200010
Part Number 220V 60Hz	AES25011	AES50011	AES100011	AES200011
Part Number 220V 50Hz	AES25012	AES50012	AES100012	AES200012
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.	3000	3000	3000	3000
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
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"

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.