



## AEC 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™ SS Concentrate and Conc Recirculate Flow Meters with Integrated Needle Valves
- AdvanTech Aqua™ 100psi Membranes
- Dual TDS Meter
- Goulds Stainless Steel Pump and TEFC Motor
- AdvanTech Aqua™ 304 Stainless Steel Membrane Housings
- AdvanTech Aqua™ Stainless Steel, IP65 Rated Inlet Solenoid Valve
- Programmable Computer Controller w/ 5 LED Status Indicators
- Membrane Flush Capability
- 4.5" X 20" Filter Housing (Made in the USA)



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	AEC-2000	AEC-4000	AEC-6000	AEC-8000	AEC-12000	AEC-16000
110V 60Hz	AEC200010	AEC400010	N/A	N/A	N/A	N/A
220V 60Hz	AEC200011	AEC400020	AEC600020	AEC800020	AEC1200020	AEC1600020
Flow Specifications						
Production Capacity gpm / lpm	1.39 gpm 5.26 lpm	2.78 gpm 10.52 lpm	4.17 gpm 15.78 lpm	5.56 gpm 21.04 lpm	8.33 gpm 31.53 lpm	11.11 gpm 42.05 lpm
Recovery Range	35% - 45%	50%	60%	75%	75%	75%
Max Feed T.D.S.	2000	2000	2000	2000	2000	2000
Membranes and Vessels						
Membrane	100-4040	100-4040	100-4040	100-4040	100-4040	100-4040
Membrane Qty.	1	2	3	4	6	8
Membrane Size	4040	4040	4040	4040	4040	4040
Nominal Rejection	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%
Vessel Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Vessels	1	2	3	4	6	8
Array	1	1:1	1:1:1	2:1:1	2:2:2	2:2:2:2
Pre-Filters						
Size	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"	4.5" X 20"
Type	Melt Blown	Melt Blown	Melt Blown	Melt Blown	Melt Blown	Melt Blown
Micron	5	5	5	5	5	5
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Pump and Motor						
Pump Type	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage
Pump Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Motor HP (60Hz)	1	1	1 ½	1 ½	3	3
Motor Type	TEFC	TEFC	TEFC	TEFC	TEFC	TEFC
Electrical						
Phase	1	1	1	1	1	1
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Amp Draw 110V	14	14	N/A	N/A	N/A	N/A
Amp Draw 220V	7	7	9	9	16	16
Connections						
Feed	¾" FNPT	¾" FNPT	¾" FNPT	¾" FNPT	1" FNPT	1" FNPT
Permeate	1/2" QC	1/2" QC	1" MNPT	1" MNPT	1" FNPT	1" FNPT
Concentrate	1/2" QC	1/2" QC	1/2" QC	1/2" QC	1" FNPT	1" FNPT
Dimensions						
L" X W" X H"	22" X 26" X 53"	22" X 26" X 53"	22" X 26" X 53"	22" X 26" X 53"	30" X 37" X 53"	30" X 37" X 53"
Weights (lbs)	110 lbs	120 lbs	140 lbs	160 lbs	395 lbs	414 lbs

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.