

Comparison Chart: Commercial 1,000 GPD Reverse Osmosis Systems

	Premiere PS-850X	Flexeon / Axeon AT-1000S (Standard)	Flexeon / Axeon AT-1000A (Advanced)	Flexeon / Axeon AT-1000P (Premier)	Hydrologic Evolution 1000 RO
Overall rating	★★★★★	★★	★★★	★★★★	★
Price	\$2,950.00	\$2,449.99	\$3,535.94	\$4,059.29	\$924.95 + cost of add-ons
Free shipping	✓	✗	✗	✗	✗
Features					
	★★★★★	★★	★★★	★★★★	★
Standard recovery rate	50%	41%	41%	41%	33%
Concentrate recycle	✓	✗	✓	✓	✗
Membrane flush valve	✓	✗	✗	✓	✗
Booster pump for continuous operation	✓	✓	✓	✓	✗ No Buy Hydrologic 110V pressure booster pump for \$939.95
Stages	4 stages: 2 x pre-filter, membrane, and post-filter	3 stages: 2 x pre-filter, membrane	3 stages: 2 x pre-filter, membrane	3 stages: 2 x pre-filter, membrane	2 stages: 1 x pre-filter, membrane
Sediment pre-filter	✓ 5 micron	✓ 5 micron	✓ 5 micron	✓ 5 micron	✗
Carbon block pre-filter	✓ 5 micron	✓ 10 micron	✓ 10 micron	✓ 10 micron	✓ 1 micron
RO Membrane(s)	✓ 1 low pressure, high performance Hydron membrane	✓ 3 low energy membranes (more to replace = more cost)	✓ 3 low energy membranes (more to replace = more cost)	✓ 3 low energy membranes (more to replace = more cost)	✓ 2 membranes (more to replace = more cost)
Carbon block post-filter	✓	✗	✗	✗	✗
82 gallon storage tank	Optional; add Aquatrol storage tank for \$500	Optional; add Amtrol storage tank for \$849	Optional; add Amtrol storage tank for \$849	Optional; add Amtrol storage tank for \$849	Not available; purchase from another supplier for \$650+

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<i>Controls</i>					
	★★★★★	★★	★★★	★★★★	★
Type of control	Automatic	Manual	Partially automatic	Automatic	✗
Display	LED	LCD	LED	LED	✗
Start timer delay (10 sec delay helps detect problems with valve or voltage spikes)	✓	✗	✗	✗	✗
Pre-treatment lockout	✓	✗	✓	✓	✗
Tank level input	✓	✗	✓	✓	✗
Feed solenoid valve	✓	✓	✓	✓	✗
Concentrate valve	✓	✗	✓	✓	✗
Feed low pressure switch	✓	✗	✓	✓	✗
Contactator	✓	✗	✓	✓	✗
TDS sensor to monitor water quality product	✓	✗	✓	✓	✗
Manual-automatic selector switch	✓	✗	✗	✗	✗
Low pressure switch	✓	✗	✗	✓	✗
<i>Instrumentation</i>					
	★★★★★	★★	★★★★	★★★★★	★
Permeate flow meter	✓	✓	✓	✓	✗
Concentrate flow meter	✓	✓	✓	✓	✗
Concentrate recycle flow meter	✓	✗	✓	✓	✗
Concentrate recycle flow meter	✓	✗	✓	✓	✗

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<i>Instrumentation cont.</i>					
Pre-filter pressure gauge	✓	✓	✓	✓	✓
Pump pressure gauge	✓	✓	✓	✓	✗
Digital permeate TDS controller	✓	✗	✓	✓	✗ No Buy a monitor for \$82.95
Digital permeate and feed TDS controller	✓	✗	✗	✓	✗
<i>Specifications</i>					
	★★★★★	★★★★	★★★★	★★★★	★
Capacity	up to 1,000 GPD	up to 1,000 GPD	up to 1,000 GPD	up to 1,000 GPD	300 - 1,000 GPD dependent on pressure; system is not for continuous operation
Size	26" x 23" x 20"	27" x 20" x 14"	27" x 20" x 14"	27" x 20" x 14"	23.5" x 13.2" x 13.4"
Electrical power supply	120 V	110 V	110 V	110 V	✗ None Electricity needed for booster pump (\$633) if you want to produce more than 300 GPD
Weight	75 lbs	70 lbs	70 lbs	70 lbs	21.4 lbs
Frame	Electrostatic powder coated	Powder coated	Powder coated	Powder coated	✗ None Plastic support leg; buy wall mount bracket for \$81.95
Min inlet feed pressure	30 psi	45 psi	45 psi	45 psi	40 psi
Inlet - outlet port	1/2" inlet, 1/2" outlet	1" inlet, 3/8" outlet	1" inlet, 3/8" outlet	1" inlet, 3/8" outlet	1/2" inlet, 3/8" outlet
Max TDS Content	2,000 PPM	2,000 PPM	2,000 PPM	2,000 PPM	2,000 PPM
Warranty	1 year	1 year limited	1 year limited	1 year limited	1 year