



WATER TREATMENT SYSTEMS



BUILT FOR GROW

- Deliver pure water for indoor agriculture.
- Achieve up to 98% Total Dissolved Solids (TDS) removal with confidence.
- Choose from a comprehensive range of reverse osmosis (RO) systems, offering capacities from 3,000 to 19,000 gallons per day (GPD).
- Expandable and customizable to grow alongside your facility.

RELIABLE, SCALABLE SOLUTIONS

ANDEN WATER TREATMENT: FLEXIBLE SYSTEMS FOR INDOOR AGRICULTURE

Anden water treatment systems are designed to adapt to the evolving needs of your operation. Whether you're scaling up or optimizing existing workflows, Anden provides reliable, low-maintenance water purification solutions.

RO AWS SERIES

ENGINEERED FOR EASE, BUILT FOR GROWTH

The Anden AWS RO Series virtually eliminates Total Dissolved Solids (TDS) while providing hassle-free operation.

Simple Maintenance: Front-access design for easy filter changes and membrane replacement.

- Customizable: Configure for your specific water treatment requirements and expand as your needs grow.
- Durable Components: Built with robust, time-tested parts for dependable operation.

KEY FEATURES INCLUDE:

- SS membrane housings for longevity
- Energy-efficient multistage pump
- User-friendly Vapor-Logic® Controller with comprehensive monitoring
- Flow measurement rotameters and pressure gauges
- Permeate TDS monitoring with alarms
- Automatic hygienic flushing for inactive periods
- Remote alarming via BACnet and web access

SPECIFICATIONS

- RO membranes: 4" x 40" dimensions
- 220V/3-phase compatible with 208V and 240V options
- Minimum supply pressure: 40 psi
- Pre-installed 5-micron sediment filter
- Single-point water, electrical, and drain connections for skidded systems



ALL SYSTEMS INCLUDE:

- RO Membrane, diameter x height: 4" x 40" (102mm x 1016mm)
- Supply Water Connection: 3/4" FNPT; 40 psi (280kPa) minimum supply water pressure.
- RO System Permeate Water Connection: 3/4" FNPT
- 5-micron RO Prefilter, diameter x height: 4" x 20" (102mm x 508mm)



COMPLETE SYSTEMS THAT SAVE TIME AND MONEY

SKIDDED INSTALLATION SOLUTIONS

Streamline setup with Anden's skidded RO systems. These pre-assembled units minimize installation time, save on labor costs, and ensure a fast, efficient start-up.

PRE-TREATMENT & STORAGE SOLUTIONS

OPTIMIZE RO PERFORMANCE AND EXTEND MEMBRANE LIFE

Pre-treatment is essential for achieving maximum efficiency and extending the life of your system. Anden offers customizable solutions based on your water source, whether city or well water, reducing scale, chlorine, and other impurities. Anden provides both tank and chemical solutions to meet your needs that include water softeners, dechlorination, and chemical feed systems. Whether protecting membranes or enhancing water quality, these options ensure your system operates at peak efficiency. Optional storage tanks from 500 to 5000 gallons provide a turnkey solution for a complete water treatment system.



COMPREHENSIVE CONTROL WITH VAPOR-LOGIC®

Anden's Vapor-Logic Controller provides advanced communication, historical data storage, and easy updates via USB. BACnet integration and web access allow for remote monitoring and seamless operation adjustments from your PC.



Scan to learn more about Anden's
innovative water treatment solutions.



SPECIFICATIONS

Anden RO Water Treatment Systems

Model	AWS03 (120V/1) AWS03-V2 (208V/3 or 240V/3)	AWS06-V2 (208V/3 or 240V/3) AWS06-V4 (480V/3)	AWS10-V2 (208V/3 or 240V/3) AWS13-V4 (480V/3)	AWS13-V2 (208V/3 or 240V/3) AWS13-V4 (480V/3)	AWS19-V2 (208V/3 or 240V/3) AWS19-V4 (480V/3)
Permeate flow rate, GPD (LPD) 50°F (10°C) or lbs/hr (kg/hr) (see Note 1)	2,381 (9,013) 829 (376)	5,159 (19,528) 1,795 (814)	7,937 (30,044) 2,762 (1,253)	10,317 (39,054) 3,590 (1,628)	15,808 (59,840) 5,500 (2,495)
Permeate flow rate, GPD (LPD) 77°F (25°C) or lbs/hr (kg/hr) (see Note)	3,000 (11,350) 1,040 (470)	6,500 (24,600) 2,250 (1,020)	10,000 (37,850) 3,475 (1,580)	13,000 (49,200) 4,510 (2,050)	19,000 (71,910) 6,600 (3,000)
System voltage/phase, Amp draw with RO components	120/1, 19.2 240/3, 9.9	240/3, 15.3 480/3, 6.0			
Fuse size with RO components (see Note 2)	120/1, 25 240/3, 15	240/3, 20 480/3, 10			
RO pump motor power, hp (kW)	1 (0.75)		3 (2.2)		
Qty. of RO membranes	2	4	6	8	12

Notes:

1. Extra low energy membranes.
2. Wiring and branch circuit protection (Type RK1, J, or T fusing) to be provided by installer in accordance with NEC requirements.

Skid Dimensions	Small	Medium	Large
(W/D/H), inches	66/28/54	82/28/54	100/34/54
(W/D/H), mm	(1676/711/1372)	(2083/711/1372)	(2540/864/1372)