

Well Water



## AQUA OTTER AIR INJECTION OXIDATION

Does your water smell like rotten eggs? Do your sinks & toilets have orange staining? The AIO® Air Injection Oxidation Filter System may be the answer to your water problems. The AIO, as a single tank system, is an efficient and cost effective solution.



# AQUA OTTER AIO®

## NOT ALL WELL FILTRATION SYSTEMS ARE ALIKE!

The AIO features a unique patented process. Most systems purge the air pocket in the tank violently during the regeneration process potentially damaging plumbing and creating an excessive amount of noise. Our patented-process slowly releases the air pocket during regeneration before replenishing the tank with a fresh pocket of air. Additionally, our system will delay the regeneration process and air release if water is being used in the home or business. Once water flow stops, the regeneration process begins slowly releasing the air from the system. On some competitive systems, water use will prevent the release of air due to the internal design limitations of the control valve or violently release the air once water flow stops. Aqua Otter can explain the important advantages of the AIO with Control Flow Technology.

## REMOVES IRON AND SULFUR

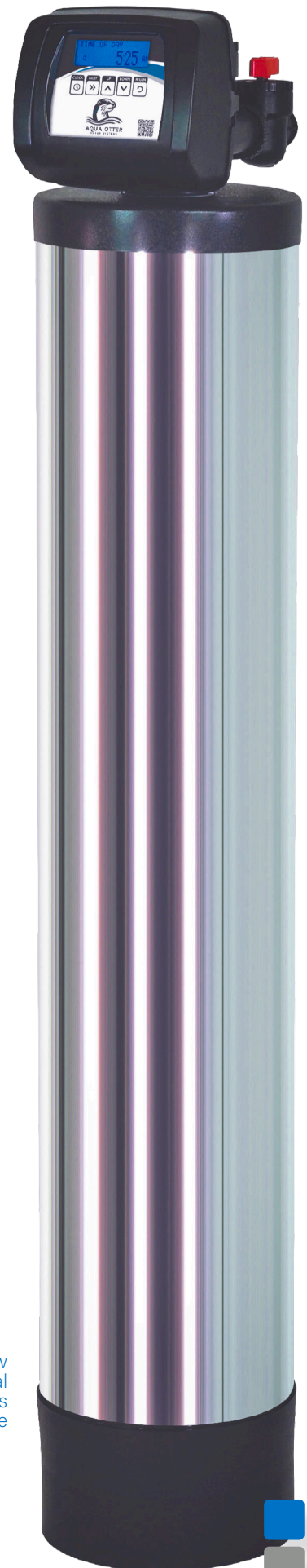
Iron, Manganese and Sulfur, naturally occurring elements, can be removed using nature's own process of oxidation, instead of expensive and harsh chemicals. The [AIO with Control Flow Technology](#) maintains an "air pocket" in the top of the tank while the system is in service. As water passes through the air pocket, these elements are oxidized. The AIO media bed then filters the oxidized iron, manganese and sulfur from the water. Additionally, dissolved oxygen is added to the water.

The AIO System can remove up to 7 ppm Iron and up to 8 ppm Sulfur. A daily backwash will remove accumulated iron and re-oxidize the filter media bed. The regeneration process also adds a fresh air pocket to the system.

By reducing the iron and sulfur buildup in your water your appliances will last longer. Appliances that use iron-laden water, such as hot water heaters, dish or clothes washers, work harder, less efficiently and wear out faster than those using treated water.



AIO System w/Control Flow Technology, shown with optional Chrome Tank Jacket & Bypass Valve





**Professional Series Control Valve**

- Patented technology provides a slow, quiet release to drain
- Control Valve delays the start of regeneration if water usage is detected
- Built in backup of settings during power outages
- Simple diagnostics and design provide for easy maintenance
- Easy to read back-lit display

**Oxidation Air Pocket**

- As water passes through the air pocket, iron, sulfur and manganese are oxidized. The media bed then removes the oxidized contaminants from the water, additionally, dissolved oxygen is added to the water

**Exclusive Media Bed**

- Custom blends of media for efficient removal of iron, sulfur and manganese
- Patented custom blend of "Smart Media" for optimal effectiveness and efficiency

**Vortech Style Distribution System**

- Delivers evenly distributed and high quality flows

Vortech distribution system, provides increased backwash efficiency using less water and saving money



Patent No.: US 8,691,091 B2

The arrows show the flow of water through the system as it filters.

**SYSTEM FEATURES AND OPTIONS**

- The control features solid state microprocessors with easy access front panel settings
- Systems are efficient and chemical free
- Fully adjustable regeneration cycles save water
- Days override feature 1 to 28 days available
- Extended lithium ion battery backup
- Stores system configuration and operation data in non-volatile memory
- Capacitor back-up with two-hour power carry over
- Advanced history and diagnostic screens
- High quality filtration medias to target specific water problems
- 12 volt transformer provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Back-lit display
- Optional stylish tank jackets help reduce tank condensation

Air Injection Oxidation System Specifications

Filter Media Capacity (cu ft)	1.25	1.5	2.0	2.5
Mineral Tank Size	10" x 44"	10" x 54"	12" x 52"	13" x 54"
Service Flow Rate - Peak	7.0 gpm	8.0 gpm	11.5 gpm	13.0 gpm
Approximate Dimensions (In.)	11W x 52H x 17D	11W x 62H x 17D	13W x 60H x 17D	14W x 62H x 17D
Approximate Weight - Pounds*	115# - 118#	120# - 167#	140# - 186#	185# - 222#

\*System weights dependent on media used in the various systems, Iron, Sulfur, or Katalox systems.

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**Oxidation Air Pocket**

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**Exclusive Media Bed**

- Custom blends of media for efficient reduction of iron, sulfur and manganese
- Custom blend of media used for support bed of filter media

**Basket Style Distribution System**

- Delivers evenly distributed and high quality flows

Optional Enpress® Vortech® Plate Tank style distribution system, provides increased backwash efficiency using less water and saving money

Patent No.: US 8,691,091 B2

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**NO CHEMICALS NEEDED!**

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