

# Connected Series AIO



## Eliminate Rust Stains and “Rotten Egg” Odors

Does your water smell like rotten eggs? Do your sinks & toilets have orange staining? You and your family deserve the best quality water and expect that it be delivered at each faucet whenever needed. The Connected Series AIO® Plus {Air Injection Oxidation} Filter System may be the answer to your problem water to reduce Iron, Sulfur and Manganese. These naturally occurring elements, can be treated using nature’s own

process of oxidation. The Connected Series AIO® Plus maintains an “air pocket” in the system while in service. As water passes through the air pocket, these elements are oxidized. With the Connected Series you’re able to monitor the status of your system on any Bluetooth® enabled device!



# Benefits of a Nelsen Water Solutions System

## Connected Series AIO<sup>®</sup> Plus Air Injection Oxidizing System

The Connected Series AIO Plus can remove up to 7 ppm Iron/ manganese and up to 8 ppm Hydrogen Sulfide. The system regeneration will remove accumulated oxidized elements and re-oxidize the filter media bed. The regeneration process also adds a fresh air pocket to the system.

The Connected Series AIO Plus system features a Bluetooth electronic control valve that automatically backwashes the system to clean the media and flush everything down the drain. The AIO Plus control valve features separate programmable air draw & backwash cycles. This means an additional Air Pocket can be added to the system each day without having to backwash saving thousands of gallons of water each year.

### Reduce Iron Staining:

Iron staining is a common problem in homes today. It causes orange staining on fixtures, as well as dingy clothes and sometimes can have negative effects on both hair and skin.

### Protect your Appliances:

By reducing the iron and sulfur buildup in your water your appliances will last longer. Rust and slime buildup make your appliances work harder and less efficiently, requiring more maintenance or replacement.

### Reduce Sulfur Stench:

Sulfur is easily detected by the presence of a "rotten egg" odor, and is sometimes associated with yellow staining.

### Efficient and Chemical Free:

The need for additional equipment...air tanks, feed pumps, or harsh chemicals (like those used in Manganese Greensand Systems) is virtually eliminated!



## Nelsen Water Solutions Connected Series AIO Plus

Whether your water source is municipal or from your own well, each Connected Series AIO Plus System is designed to treat your specific water quality issues. The very best components, media, features and state-of-the-art design go into every system providing you and your family years of high quality, conditioned water.

### Legacy View Phone App



Legacy View makes setting up and monitoring your Connected Series AIO Plus Water Treatment System easier than ever. A free download of the phone

app is available for your iPhone or Android™ device!



With Legacy View as part of the Control Valve, through the app, you view or perform the following functions:

- Conveniently view all valve settings and status
- Easily change valve settings
- View current water usage information, as well as history of water usage
- Graphically view water usage information
- Start a regeneration or backwash cycle from your phone or tablet
- View the servicing water treatment dealer information
- Better understand how your system is working and what settings are for
- Connect to all of your valves in your system (if they are all Legacy View Valves)
- Simplicity of a single tank aeration system that can be used with any type of well pump and system (standard submersible, constant pressure, jet pump)
- Precise external air injection directly into the media tank to help prevent control valve fouling and for ease of service
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

Connected Series AIO Plus  
 Shown w/Optional Chrome Tank Jacket  
 for Reduction of Tank Condensation

Connected Series  
 Control Valve Shown  
 Without Cover



Will not remove calcium or hardness from water, there may be a need for a water softener after the AIO Plus System.

## SYSTEM FEATURES & OPTIONS

### Product Features

- Connected Series AIO Plus control valve features independently programmable air draw & backwash cycles saving THOUSANDS of gallons of water per year
- Slow release of the compressed air pocket prior to backwash cycle eliminating the blast of air to drain
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified setup
- Includes meter to provide water usage history
- Simplicity of a single tank aeration system that can be used with any type of well pump and system (standard submersible, constant pressure, jet pump)
- Precise external air injection directly into the media tank to help prevent control valve fouling & for ease of service
- Operates on low 12V DC power
- Two valve bypass with a variety of plumbing connections are available to fit your existing plumbing
- Simple 9 volt battery back-up keeps electronic meter active and Advances to shut-off position if power fails during regeneration to keep water from running to drain

### Optional Configurations

- Meter and time clock initiated regeneration
- A water softener tank jacket is a great way to prevent condensation from forming on the outside of your filter tank



### Professional Series Control Valve

- Water use is monitored for peak efficiency
- Built in backup of settings during power outages
- Allows for additional air pockets between regenerations saving water
- Simple diagnostics and design provide for easy maintenance
- The control valve slowly releases compressed air charge prior to backwash cycle eliminating the explosive blast that can dislodge the drain line as on other systems

### Air Pocket

- As water passes through the air pocket, iron, sulfur and manganese are oxidized. Additionally, dissolved oxygen is added to the water.
- Precise external air injection directly into the top of media tank to help reduce control valve fouling & for ease of service

### Exclusive Media Bed

- Custom blends of media for efficient reduction of iron, manganese, & sulfur
- The media bed then removes the oxidized contaminants from the water

### Distribution System

- Basket style distributor delivers evenly distributed and high quality flows
- Optional Enpress® Vortech™ Plate Tank style distribution system, providing increased backwash efficiency using less water and saving money

### Represented by:

### Connected Series System Specifications

Filter Media Capacity [cu ft]	1.5	2.0	2.5
Mineral Tank Size	10" x 54"	12" x 48"	13" x 54"
Service Flow Rate - Peak	8 gpm	11.5 gpm	13 gpm
Service Flow Rate - Continuous	5.4 gpm	7.8 gpm	9.2 gpm
Backwash Flow Rate (gpm)	5.0 gpm	7.0 gpm	10 gpm
Approximate Dimensions	11" x 17" x 62"	13" x 17" x 57"	14" x 17" x 62"
Approximate Weight	120#	137#	195#

\*Dependent on system size. \*Floor space is determined by size of Mineral Tank used.