



## ELIMINATE RUST STAINING, AS WELL AS SULFUR “ROTTEN EGG” ODORS WITH THE NELSEN AIO™ AIR INJECTION OXIDIZING SYSTEMS.

Iron and Sulfur are two of the most common elements found in nature. While both are extremely important for every day life, both are a nuisance in water and can cost you money and frustration.

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

All of these problems can be eliminated with the Nelsen AIO™ Air Injection Oxidizing Filtration System.

**Nelsen AIO™**  
AIR INJECTION OXIDIZING FILTER SYSTEM  
FOR IRON AND SULFUR REMOVAL





# AIR INJECTION OXIDIZING SYSTEM



## Benefits of a Nelsen Water Treatment System



### REDUCED 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.



### REDUCED SULFUR SMELL:

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



### 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.



### EFFICIENT AND CHEMICAL FREE:

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

# 2510/5600 SXT SERIES

## USING NATURE'S OWN PROCESS

These naturally occurring elements can be removed using nature's own process of oxidation. The Nelsen AIO™ maintains an "air pocket" in the top of the tank while the system is in service. As water passes through the air pocket, iron and sulfur are oxidized. The Nelsen AIO™ filter media bed then removes the oxidized iron and sulfur from the water. Additionally, dissolved oxygen is added to the water.

## PROVEN TECHNOLOGY

The Nelsen AIO™ system includes the Pentair Fleck 2510AIO SXT or 5600AIO SXT electronic control valve that automatically backwashes the system to clean the media and flush everything down the drain. The Nelsen AIO™ puts the whole oxidation process inside one tank, keeping maintenance costs and down time to a minimum.

Made by Pentair Fleck, a leading manufacturer of control valves in the US, the digital control valve allows for ease of setup and automatic operation.

The Nelsen AIO™ can remove up to 8 ppm Hydrogen Sulfide and up to 7 ppm Iron. A daily backwash will remove accumulated iron and replenish the filter media bed. The regeneration process also adds a fresh air pocket to the system. Calcium and hardness can also be removed when a water softener is placed after the Nelsen AIO™.

AIO System featuring the Pentair Fleck 5600AIO SXT Control Valve Shown with Optional Tank Jacket



*Nelsen Corporation is the largest family-owned manufacturer/distributor of water treatment products in the United States. Headquartered in Akron, Ohio with additional distribution centers in Arizona, Texas and Florida, our company has seen substantial growth over the years. Since 1954 Nelsen Corporation has remained committed to the professional water treatment dealer, their customers and the communities that they serve. More than 65 years of experience in water treatment have been incorporated into our systems yielding the very best equipment for your family or your business.*



**FLECK®**  
Pentair Water

AIO System featuring the Pentair Fleck 2510AIO SXT Control Valve Shown with Optional Tank Jacket







	5600AIO SXT	2510AIO SXT
<b>Inlet/Outlet Fittings</b>	3/4", 1"	3/4", 1"
<b>Cycles</b>	3	4
<b>Valve Material</b>	Fiber-reinforced polymer	Fiber-reinforced polymer
<b>Service Flow Rates</b>	2.5 - 6.3 GPM	2.5 - 10.0 GPM
<b>Operating Pressures</b>	20-75 PSI	20-75 PSI
<b>Operating Temperatures</b>	34-110 Degrees	34-110 Degrees
<b>Electrical Specification</b>	24V - 50/60 Hz	24V - 50/60 Hz

### Professional Series AIO Control Valve

- Water use is monitored for peak efficiency
- Built in backup of settings during power outages
- Simple diagnostics and design provide for easy maintenance

### Oxidation Air Pocket

- An air pocket is introduced into the top of the filter tank
- As water passes through this pocket the iron and sulfur in the water are oxidized

### Exclusive Filter Media Bed

- Custom blends of media for efficient reduction of iron, sulfur and manganese

### Basket Style Distribution System

- 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

## SYSTEM FEATURES & OPTIONS

### 5600AIO SXT Key Features

- Large LCD display with 48 hours of internal power backup capacitor
- LCD display alternates between time of day, volume remaining or days to regeneration
- Down-flow regeneration
- Backwash capacity handles tanks up to 13" for filter applications

### 2510AIO SXT Key Features

- Top mount control with adjustable cycles delivers controlled up-flow backwash, air draw, rapid rinse, and down-flow service
- Time-tested hydraulically balanced piston, seal and spacer concept to control service flow and regeneration
- Non-corrosive, high-tech material construction
- Excellent flow rates - 2.5 GPM continuous, 10.0 GPM peak
- Backwash capacity handles tanks up to 14" diameter

### System Options

- Corrosion free fiber-reinforced polymer or stainless steel bypass valve
- Auxiliary switches
- Optional stylish tank jackets help reduce tank condensation



Ready to get rid of iron and sulfur from your water? Contact:

Spring Water Fresh  
800-379-5250  
Springwaterfresh.com

Arrows indicate water flow through the system as it oxidizes and filters.