

# Pre-Filtration

Does your water smell like rotten eggs? Do your sinks and toilets have orange staining? The Beauchamp Air Injection Oxidation (AIO) Filter System may be the answer to your water problems. The AIO, as a single tank system, is an efficient and cost effective solution that helps prolong the life of your appliances.



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State of Michigan Drinking Water Contamination Guide

## Reduce Iron Staining

Iron staining is a common problem in homes, causing orange stains on fixtures, dingy clothes, and may have negative effects on both hair and skin.



## Diminish Sulfur Smell

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



## Protect Appliances

Reducing iron and sulfur buildup in water extends appliance lifespan by preventing rust and slime, which hinder efficiency and increase maintenance needs or replacement.



## Efficient & 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!



Beauchamp Water Treatment Solutions' patented AIO™ with Control Flow Technology ensures a quieter and safer regeneration process by gradually releasing the air pocket in the tank, preventing plumbing damage and excessive noise. Unlike competitive systems, it delays regeneration when water is in use, resuming when flow stops.

The system uses oxidation to mitigate **Iron**, **Sulfur**, **Manganese**, and **Arsenic**. These elements are filtered through an air pocket and a media bed while adding dissolved oxygen to the water. Regular backwashing eliminates buildup, prolonging the life of appliances by improving efficiency and reducing wear caused by untreated water.

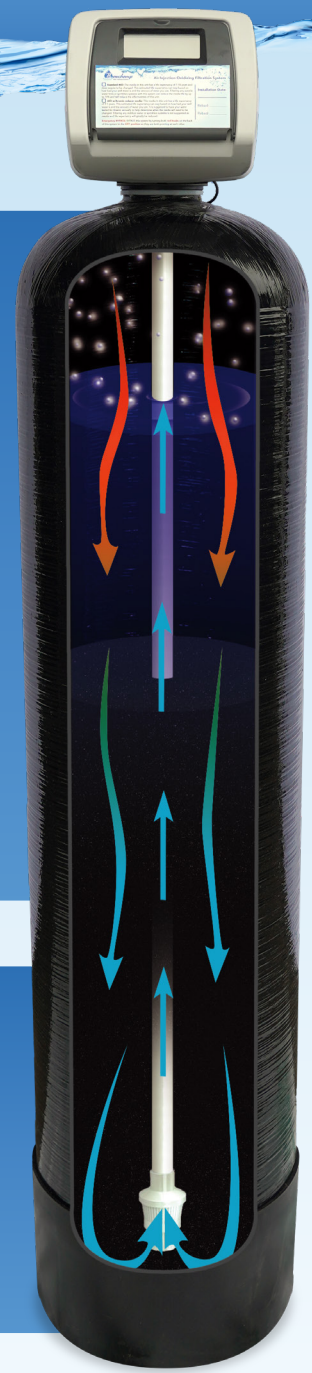
### SIGNATURE SERIES

#### Features

- ◆ Control valve features solid state microprocessors, easy access front panel settings, and back-lit display
- ◆ Systems are efficient and chemical free
- ◆ Fully adjustable regeneration cycles save water
- ◆ Days override feature for 1 to 28 days
- ◆ Extended lithium ion battery backup
- ◆ Stores system configuration and operation data in non-volatile memory
- ◆ Battery Backup up to 8 hours
- ◆ Advanced history and diagnostic screens
- ◆ Filtration medias to target specific water problems
- ◆ 12 volt transformer provides safe & easy installation
- ◆ Control valve design provides optimum service and backwash rates

#### Additional Options

- ◆ **Enhanced Ozone Generator**  
Cleaner tanks and valves, more effective filtration, and longer service cycles
- ◆ **Arsenic Reduction Media**  
Chemical-Free reduction of arsenic
- ◆ **Stylish Tank Jacket**  
Helps reduce tank condensation



#### Solutions for:

- **Well Water – AIO System**  
Iron/rust, arsenic, manganese, taste/light odor, exterior rust staining
- **City Water – Carbon System**  
Taste/light odor, chlorine, Chloramine, PFOS/PFAS, micro plastic removal, fluorides

#### 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 reduction of arsenic, 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

Available Systems for City or Well Water Applications	Standard Warranty
Pre-Filtration Systems (Additional sizes available)	(Parts/Labor)
322-10" x 40"	5yr/1yr
322-10" x 44"	5yr/1yr
322-10" x 54"	5yr/1yr
322-13" x 54"	5yr/1yr
322-14" x 65"	5yr/1yr

\*See manufacturer for detailed specifications, each model may vary.