Signature Series

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

* Photo shown with sweat jacket option
Benefits of a Beauchamp Water Treatment System

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.

REDUCE 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...air tanks, feed pumps, or harsh chemicals (like those used in Manganese Greensand Systems) is virtually eliminated!
NOT ALL AIR SYSTEMS ARE ALIKE!

Beauchamp Water Treatment Solutions 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. Your Professional Water Treatment Dealer can explain the important advantages of the Beauchamp Water Treatment 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. 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 Vesta 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.

Beauchamp water treatment solutions are trained and dedicated to providing the best solution for your home and your family.
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 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
- E强奸s Vortech Plate tank style distribution system, provides increased backwash efficiency using less water and saving money, optional on Iron and Sulfur systems, standard on Katalox systems.

PATENT NO.: US 8,691,091 B2

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

"Signature Series" Air Injection Oxidation System Specifications

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

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