Our REACTR™ Treatment System incorporates aeration efficiently mixes ambient air with water under pressure to convert iron, manganese and hydrogen sulfide gas to filterable particles. The REACTR™ eliminates the associated stains, taste and odor while also eliminating sediment problems and neutralizing low pH on influent water. Only the highest quality controls and materials are used. Our motor-driven piston is the most reliable under severe water conditions and resists common adversaries such as dirt, iron and turbidity. Designed for use in commercial, industrial or domestic water applications.

As we remain COMMITTED TO INNOVATION, WaterSoft provides the design and engineering support to ensure the most effective water treatment solution for each installation. for a stand alone installation or a new construction project, replace or integrate new equipment into an existing process, we have the proper system options available to meet your needs.

**STANDARD FEATURES**
- Catalog systems to 200 gpm
- Aeration via Ambient Air - NO CHEMICAL
- Maximum Operating Pressure-125 psi /110°
- Clack™ Control Valves
- Aeration Manifold Assembly Machined from Solid PVC Barstock
- Automatic Self-Regulating Air Volume Control
- Smart -Blend Filter Media
- No Raw Water Bypass - While one tank is Backwashing, the Other Tank[s] is (are) Still in Service (for multi-tank systems only)
- Available in four different configurations (See Back)
- Ports on Aeration Manifold for optional chemical injection

**OPTIONS**
- OXYCLEAN™ Auto Cleansing Systems - recommended for 5 ppm or higher iron and manganese
- Bypass - Connects directly to each 1” & 1-1/4” Clack control valve and simplifies installation
- 2750, 2850 or 3150 top-mount valves
- Alternate Aeration Tank[s] sizes
- Side-mount control valves
- Motorized ball valves or diaphragm valve:
- Custom-designed system
- Alternate filter media
- Steel and ASME rated pressure vessels

**TYPICAL USES**
- Large Scale Irrigation
- Public Water Systems
- Dairy Operations
- Industrial Pre-Treatment
- Hotels / Motels
- Apartments / Condos
- Laundry Facilities
- Food / Beverage Mfg.
- Livestock Operations
- Schools
- Hospitals
- Nursing Home / Assisted Living
**Product Specifications**

### Commercial REACTR™ Treatment System

<table>
<thead>
<tr>
<th>REACTR SYSTEM MODEL NUMBERS</th>
<th>Service GPM</th>
<th>REACTR System</th>
<th>Pipe Size NPT</th>
<th>Filter Tank</th>
<th>Cu. Ft. Media for Total System</th>
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<tbody>
<tr>
<td>Standard Pressure Systems</td>
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<tr>
<td>(For Filter tanks ALWAYS under pressure)</td>
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<tr>
<td>For 2460 rpm submersible pumps or low inlet pressure</td>
<td>9</td>
<td>14</td>
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<td>17</td>
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<tr>
<td>For 2460 rpm submersible pumps or Var Speed pumps or low inlet pressure</td>
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<td>15</td>
<td>“3/4”</td>
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</tr>
<tr>
<td>For installations AHEAD of filters tanks. (Clean/Blend Backwash - see Note 1)</td>
<td>11</td>
<td>18</td>
<td>22</td>
<td>10</td>
<td>“3/4”</td>
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<tr>
<td>No for “WRSC”</td>
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<tr>
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<td>CRF50-121Y-WS</td>
<td>CRF50-121SC</td>
<td>CRF50-121Y-SC</td>
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<td>CRF50-126Y-WS</td>
<td>CRF50-126SC</td>
<td>CRF50-126Y-SC</td>
<td>23</td>
<td>38</td>
</tr>
</tbody>
</table>

**Manganese Removal**

- **REACTR™** capability to remove Manganese from water is critically dependent on the iron and pH levels as shown below:
  - If the iron is 10:1, then the pH must be at least 6.5.
  - If the iron is 5:1, then the pH must be at least 7.8.
  - If the iron is 1:1, then the pH must be at least 8.3.
  - If the iron is 0.1, then the pH must be at least 8.5.

**Iron and Sulfur Removal**

- For effective Iron and Sulfur removal, your ppm’s must be on or below these curves.

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- Additional equipment is required for water containing organic and/or bacteria versions.
- For “Pressure System” models, if rated GPM, the inlet PSI at the Reactor Tank must be at least 50% higher than max PSI at service. If supply pump cannot achieve this pressure, then use "Variable Speed Systems".
- If needed, pH can be increased by injecting soda ash or caustic into the Reactor Tank Manifold.
- Periodic replenishing of the Neutralizer in the filter tanks will be required for water less than 7.0 pH (normally 6 to 12 months, depending on influent pH).

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**Operating Information**

- Water Temperature Range: 33° – 110°F
- Ambient Air Temperature Range: 33° – 110°F
- Operating Pressure Range: 20 – 125 psi
- Electronic Requirements: 110v/60Hz

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**Committed to Innovation**

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