

## FEATURES

- *Signature Series™* control valve
- Advanced Electronic Technology & Simple programming
- Adjustable cycle times
- Battery Back-Up
- High backwash flow capability
- Independently operated inlet/outlet bypass valve
- 3/4" FNPT stainless steel yoke connection
- 1" FNPT stainless steel yoke connection (optional)
- Features Enpress® Vortech™ distributor plate
- Poly wound **REACTR™** Tank
- Poly wound mineral tank
- Other valve options available at an additional cost

The concept of air injection for the reduction of Iron, Manganese and Sulfur Gas is not new. In most cases, these contaminants can be treated in this manner without the use of chemicals, such as Chlorine or Potassium Permanganate.

CSI Water Treatment Systems reintroduces this technology with an innovative new approach - The **REACTR™**. Several new ideas are incorporated in the **REACTR™** Water Treatment System. Air injection and free air venting are accomplished through a common manifold assembly which simplifies installation and service. The **REACTR™** manifold assembly is mounted on a large air mixing tank that triples the amount of air contact and exposure time. A full 1" FNPT inlet and outlet is provided to install the **REACTR™** tank between the well pump and pressure tank. This exposes the **REACTR™** tank to full pump flow for increased air draw, air mixing and reduced plugging problems. Oxidized contaminants then enter the **REACTR™** filter where they are removed by the **REACTR™** blend filtration media. **REACTR™** blend is a proportioned mix of three proven filter medias to provide optimum performance with wide application potential. The filter is automatically maintained by the CSI Signature Series control valve that provides the advantages of adjustable cycle times and high backwash flow capability in a high tech electronic valve with simple programming and battery back-up. Combine all of these features with the benefits of no chemical treatment and you have the finest water treatment system available on the market today - The **REACTR™**!

### Manganese Removal

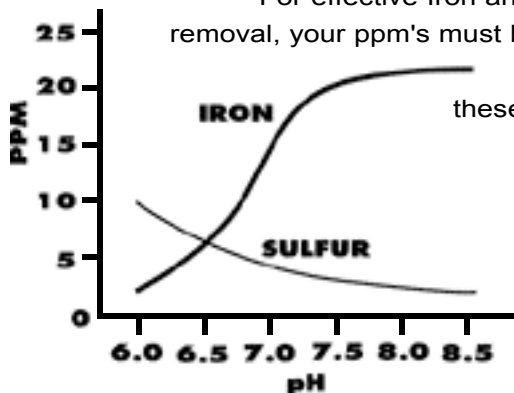
**REACTR™** capability to remove Manganese from water is critically dependent on the Iron and pH levels as shown below:

If the Iron to Manganese ratio is:                      Then the pH must be at least:

10:1	7.0
5:1	7.8
1:1	8.3
0:1	8.5

### Iron and Sulfur Removal

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



General Specifications	RF10	RF15	RF20	RF25	RF30	RF40
Filter Media Type	<b>REACTR™ Blend</b>					
Filter Media Capacity (cu ft)	1.00	1.50	2.00	2.50	3.00	4.00
<b>REACTR™ Tank</b> (polyglass)	9x48	9x48	9X48	9x48	16x40	16x40
Mineral Tank (polyglass)	9x48	10x54	13X48	13x54	14x65	16x65
Service Flow Rate - Continuous (gpm)	4	5	6	8	9	11
Service Flow Rate - Intermittent (gpm)	6	7	8	10	11	13
Backwash Flow Rate (gpm)	5.0	5.0	7.0	7.0	10.0	15.0
Gallons Used / Backwash	130	130	156	182	260	390
Space Required (DxWxH inches) <b>REACTR™ Tank</b>	9x9x62	9x9x62	9X9X62	9x9x62	9x9x62	16x16x51
Space Required (DxWxH inches) Filter Tank	9x9x56	10x10x62	13X13X56	13x13x62	14x14x73	16x16x74
Approximate Shipping Weight (pounds)	128	160	195	255	296	430

Note: Caution should always be used in sizing filters! Always choose a unit by first satisfying the *Backwash requirement*. Use of a flow control in the Service Line is highly recommended. Consult the factory or your field sales person with questions.

## Typical Installation

