EverGreen Clear Iron Solution System

The More Efficient, Sustainable Way to Remove Iron

When water contains too much iron, manganese and sulfur gas, homeowners suffer with brown or yellow colored water, dingy or stained laundry, and rotten egg odor.

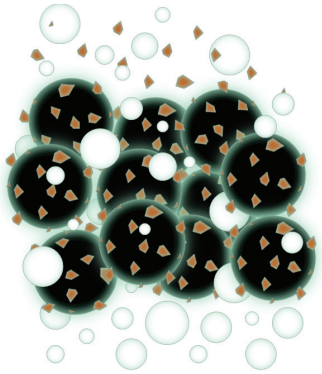
The EverGreen Clear Iron Solution and Manganese Catalytic Collector offers a better method for removing these nuisance minerals and gases from water. The Clear system uses a catalytic medium to convert and collect these water nuisance – rather than filter – unwanted chemicals from water.



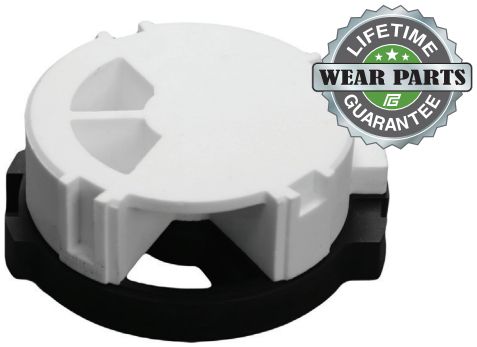
Catalytic Collector + Air Scour = Clear Superior Performance

The Collector… is a lightweight substrate support for a continually active natural catalyst known for attracting and collecting iron and manganese dissolved in water. This medium requires no chemical regeneration. The EverGreen Clear Iron Solution uses only ambient air to remain charged and active.

The Air Scour Technology… activates the media for reuse after each cycle using only the oxygen (O_2) in the air. The Collector particles are tumbled, cleaned, and cleared of the captured iron and manganese for the next cycle. Air Scour allows this technology to reduce water waste by as much as 75% over other backwashing filters.



*Dependant on source water quality



The CLEAR Advantage Over Aeration Oxidation Systems

- **Chemical Free Regeneration.** Media is re-charged by O_2 during air scour process: no chlorine, potassium permanganate, or salt solution needed.
- **Low Maintenance.** Does not plug internal seals and spacers causing service and failure. No piston to foul.
- **Reduces Water Use.** Backwash media at lower flow rates using only 25% of the water typically used.
- **Easy Backwash.** Requires less time to clean media and easily achieves ideal bed expansion.
- **Built to Last*.** 7-10 year life expectancy of catalytic collector with a lifetime warranty on ceramic, internal parts.
- **Predictable Throughput.** Consistent efficiency not available from traditional systems.

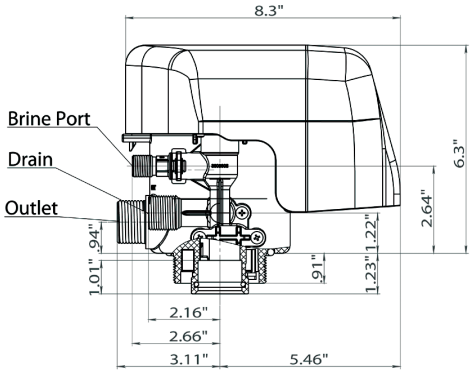
For more information on the EverGreen Clear Iron Solution System, contact Pargreen today for the dealer nearest you.

PARGREEN WATER TECHNOLOGIES

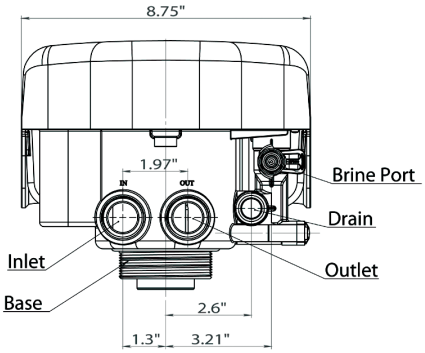
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EverGreen Clear Iron Solution System







EverGreen Clear Iron Solution System Specifications

Model*	Resin Cubic Feet	Overall Height Inches	Diameter Inches	Max Flow Rate Gallons Per Minute$_1$	Water (Gallons) Used Per Regeneration$_2$	Gallons Per Regeneration < 3 PPM$_3$	Gallons Per Regeneration > 3 PPM$_3$
FSB1054-FC	1.5	60.9	10	7.5	45	750	450
FSB1252-FC	2	59.0	12	10	47	1,000	600
FLB1354-FC	2.5	61.4	13	12.5	63	1,250	750
FLN1465-FC	3	72.2	14	15	74	1,500	900

* Additional Sizes Available
1 - Peak Flow Rate at 5 GPM/Cubic Foot. Note: Peak flow is an intermittent flow experienced for a minute or less. Continuous flow rate is 3 GPM/Cubic Foot.
2 - Usage Based on Water Supply Quality; Usage ± 10%
3 - System Through-put is Based on Ferrous Iron **ONLY**

Electrical / Operational Specifications

Control Valve		Working Conditions	
Transformer Input	120VAC - 60Hz	Water Pressure	20 -120 PSI
Transformer Output	12VDC - 2A	Water Temperature	35˚F - 125˚F
Valve Wattage	24W	Iron Level$_4$	1 to 5 PPM Ferrous

4 - For Ferric Iron and Ferrous Iron Over 5 PPM, Contact PWT Technical Support

Control Valve Parameters

Inlet	Outlet	Drain$_5$	Brine Line	Base	Riser Tube	Hard Water Bypass
1″	1″	1/2″ Barb	3/8″	2.5″ - 8NPSM	1-1/4″	Yes - During Regeneration

5 - Drain Connection Also 3/4″ MNPT

Additional Specifications

Valve Material	Tank Material	Meter Accuracy	Clock
Noryl®	FRP	± 5%	12 Hour - with Battery Back-up

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