

Iron Breaker™ System

Until recently, the most common solution for problem iron and H₂S (sulfur) water involved the use of harsh chemicals & complicated equipment requiring regular care and service by the homeowner or water treatment professional. The ChargerPro Series Iron Breaker now offers the "natural" solution for removing iron and H₂S. The Iron Breaker has a proven, patented technology that uses nature's own oxidation process to eliminate iron and H₂S without chemicals, air compressors, aerators, and external venturi's. It simply uses nature's own oxidation process.

How the Iron Breaker works:

The Iron Breaker stores a "bubble" of air, compressed by your well pressure, within the media tank. As your water passes thru the air, the iron or H₂S is converted to a particle which is then trapped by the catalytic filter media in the tank while the air "bubble" is gradually consumed by the passing water. For regeneration, the unit first "backwashes" itself, removing any iron particles it has trapped. The system then replenishes the "air bubble" by drawing in atmosphere, temporarily emptying the tank of all water and transferring oxygen molecules into and on the surface of the media bed where all oxidation occurs. The system then returns to the "service" position, again filtering your water.

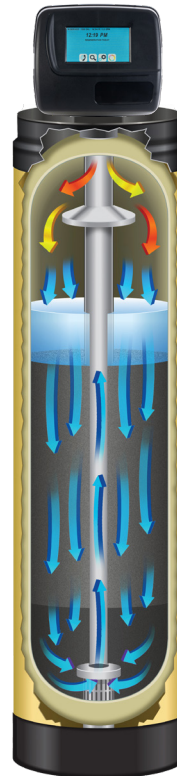
Your Water May Have Iron and H₂S

If you're noticing rust-colored stains on your sinks or bathtubs, a metallic or rotten egg smell, or unpleasant tastes in your water, iron and hydrogen sulfide, H₂S, may be to blame. These contaminants can not only cause discoloration and foul odors but also lead to scale buildup that clogs plumbing and reduces the efficiency and lifespan of appliances like water heaters, dishwashers, and washing machines.

Optional Ozone Sanitizer: By adding the ozone generator option, the Iron Breaker system is automatically sanitized during the regeneration process.

The Iron Breaker controls the Iron and H₂S in your home:

- Stop iron stains from occurring
- Enjoy clean, odor-free water
- Protect your water softener from iron fouling
- Protect plumbing fixtures, appliances and clothing
- Protect pipes from iron-clogging and black oxidation caused by H₂S
- Reduces the need for chemical feed treatment systems



Picture shown with optional tank jacket.

The Iron Breaker reduces iron and will help remove the negative effects of H₂S. Both of these can damage your plumbing and fixtures, discolor your laundry, or create unpleasant odors in drinking water and showers.



Why Choose the ChargerPro™ Shire SYSTEM?

- **Durability and Reliability:** Known for its longevity and minimal maintenance requirements.
- **Consistent Water Quality**
- **Environmentally Friendly:** Helps to reduce the environmental impact without using chemicals.
- **Customizable Settings:** Your water treatment professional can customize the system to meet your specific water usage needs.
- **Advanced Technology:** The control valve design provides optimum service and backwash rates.



Shire - 1" Series


Air Draw Filtration Systems

Iron Breaker™

Delivering Cleaner, Healthier Water Across America

www.chargerwater.com



Filtering Model	Model #	Cubic Ft Media	Mineral Tank	SVC (Service) Flow Rate	Backwash Rate
Air Draw Touchscreen Valve 	1" Standard Distributor				
	CUADF-1054-1	1 cu ft	10 x 54	5 gpm	6.5 gpm
	CUADF-1252-1	1.5 cu ft	12 x 52	7 gpm	7.5 gpm
	CUADF-1354-1	2 cu ft	13 x 54	7 gpm	9 gpm



Optional Moisture Reduction System (Air Dryer)

HOW IT WORKS: The air that is drawn into the EOG 200 unit first will pass through the moisture reduction filter. Dryer air means longer service intervals in damp, humid locations such as basements, crawl spaces and well houses.

This system is not intended for outdoor use or exposure to direct sunlight.

Optional Ozone Sanitizer

The EOG 200, when combined with the ChargerPro Shire control valve, will provide active ozone during the backwash process and leaves a head of ozone in the filter. This patented process aides in the oxidization, cleaning, and the filtering of iron, manganese, sulphate and various other heavy metals from your water. This product can also aid in anti-microbial protection against nuisance bacteria and reduce unwanted odors.

ChargerPro Shire Valve Benefits

- Ability to add Dealer logo on screen
- Allows for downflow
- Up to two relay options
- Battery time back up (keeps clock accurate in power outage)
- Learn one set of programming: one board is used for 1", 1.25", 1.5"

ChargerPro Shire - 1" Series Valve Specifications

Inlet/Outlet (1).....3/4" to 1.5" NPS Adapter
 Cycles.....up to 5
 Valve Material.....Fiber Reinforced Composite
 Regeneration.....Downflow

Operating Pressures

Minimum/Maximum20 psi - 125 psi

Operating Temperatures

Minimum/Maximum40° - 110°F