

# Iron Breaker™ Pro system

Until recently, the most common solution for problem iron and H<sub>2</sub>S (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 Pro now offers the “natural” solution for removing iron and H<sub>2</sub>S. The Iron Breaker Pro has a proven, patented technology that uses nature’s own oxidation process to eliminate iron and H<sub>2</sub>S without chemicals, air compressors, aerators, and external venturi’s. It simply uses nature’s own oxidation process.

### How the Iron Breaker Pro works:

The Iron Breaker Pro stores a “bubble” of air, compressed by your well pressure, within the media tank. As your water passes thru the air, the iron or H<sub>2</sub>S 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 H<sub>2</sub>S

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, H<sub>2</sub>S, 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.

*With the ozone generator, the Iron Breaker Pro system is automatically sanitized during the regeneration process.*



### The Iron Breaker Pro controls the Iron and H<sub>2</sub>S 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 H<sub>2</sub>S
- Reduces the need for chemical feed treatment systems

### The Iron Breaker Pro

*reduces iron and will help remove the negative effects of H<sub>2</sub>S. 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™ Iron Breaker Pro 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.

## Thoroughbred - 1" Series

Air Draw Filtration Systems



Iron Breaker™ Pro



*Delivering Cleaner, Healthier Water Across America*

[www.chargerwater.com](http://www.chargerwater.com)

# Iron Breaker™ Pro System

Filtering Model	Model #	Cubic Ft Media	Mineral Tank	SVC (Service) Flow Rate	Backwash Rate
Air Draw CD Valve With Ozone Sanitizer 	<b>1" Standard Distributor</b>				
	CDADFPRO-1054-1	1 cu ft	10 x 54	5 gpm	6.5 gpm
	CDADFPRO-1252-1	1.5 cu ft	12 x 52	7 gpm	7.5 gpm
	CDADFPRO-1354-1	2 cu ft	13 x 54	7 gpm	9 gpm
		CDADFPRO valves are 5-button, adjustable controls.			



### Optional Moisture Reduction System (Air Dryer)

**HOW IT WORKS:** The air that is drawn into the Iron Breaker Pro unit first will pass through the moisture reduction filter. Drier 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.*

The Iron Breaker Pro 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.

As a fully integrated part of the Iron Breaker Pro water treatment system, it reduces nuisance bacteria, such as iron bacteria and sulphate-reducing bacteria, within the filter and enhances iron filtration without the use of chemicals.

Water entering the iron filtration tank passes through an ozone layer where impurities are oxidized, deodorized and enlarged so the filter can remove them and hold them until a backwash cycle is initiated. During the regeneration process, impurities are sent to drain and a fresh ozone layer is created.

The Iron Breaker Pro includes a One Plug Kit, letting you power both your control valve and ozone generator from a single source. It's a cleaner, simpler way to deliver better results for your customers and your business.

### ChargerPro Thoroughbred Valve Benefits

- Backlit screen for easy troubleshooting
- Blue=Normal, Yellow=Programming Mode or Salt Alarm, Red=Major Error
- Allows for downflow
- Displays are in English or Spanish
- Up to three relay options
- Ability to add Dealer names and contact information on screen
- 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 Thoroughbred - 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/Maximum ..... 20 psi - 125 psi

#### Operating Temperatures

Minimum/Maximum ..... 40° - 110°F