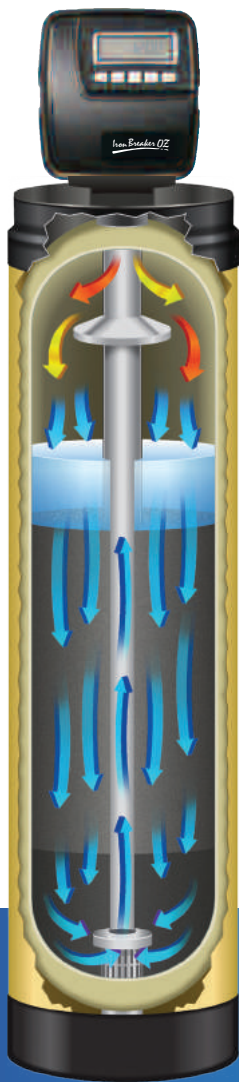




CHARGER

Water Treatment Products



Iron Breaker OZ

Iron and H₂S filters with enhanced Oxidation Generator

There is no better system on the market.



Until recently, the most common solution for problem iron and H₂S water involved the use of harsh chemicals & complicated equipment requiring regular care and service by the homeowner or water treatment professional. The Iron Breaker OZ by Charger now offers the "natural" solution for removing iron and H₂S. The Ironbreaker OZ has a proven, patented technology that uses nature's own oxidation process to eliminate iron and H₂S.

How the Iron Breaker OZ works:

The Iron Breaker III 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 trap 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.

Optional Ozone Sanitizer

By adding the ozone generator option, the Ironbreaker system is automatically sanitized during the regeneration process.

Iron Breaker OZ

The Iron Breaker OZ controls the iron & 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
- Eliminate the need for chemical feed treatment systems
- Single system household flow rate to 21 gpm



OZONE & FILTRATION INNOVATION

Enhanced Oxidation Generator

The Iron Breaker OZ, when combined with the Clack Corporation automatic water filter control valve, will provide active ozone during the back-wash 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. The Iron Breaker OZ can also aid in anti-microbial protection against nuisance bacteria and reduce unwanted odors.

EASY TO INSTALL AND BUILT TO LAST

With just a few steps, the ozone unit mounts directly onto the Clack® control valve. The system includes the patented stainless steel cell and features an all-weather enclosure.

IMPROVES QUALITY OF WATER

Ozone is proven to destroy microorganisms and remove minerals such as iron and magnesium instantly and effectively without harmful residue. The system will also assist in eliminating unwanted odors such as rotten egg, stale, or musty smells.

LOW MAINTENANCE

With no chemicals or pumps to maintain, the ozone unit requires very little maintenance. The system is also energy efficient drawing only milliamps per day. A cleaning kit and instructional video are available upon request.

NO HARMFUL CHEMICALS

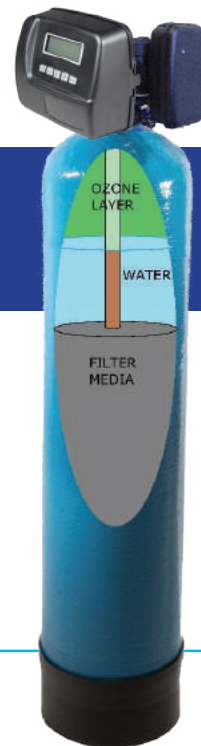
Ozone has been proven to kill bacteria faster than chlorine, eliminating the need for traditional chemicals such as hydrogen peroxide or chlorine typically used to disinfect water. The ozone unit is safe for the environment including septic systems.

STATE-OF-THE-ART TECHNOLOGY

The Iron Breaker III has been a trusted product in significantly reducing iron and hydrogen sulfide for decades. The enhanced Iron Breaker OZ helps control iron related bacterias and other nuisance bacterias as well as aerobic bacterias.

The typical water analysis would be:

- Iron <5 ppm
- Manganese <1 ppm
- pH >6.5
- IRB'S
- Pink Algae
- Biofilm



Q&A

What would be the ideal situation to try the Iron Breaker OZ

Heavy rotten egg odors or metallic tastes that stem from iron, manganese, IRB's or heavy H_2S .

Is it a unique solution for a unique issue, or is it enhancing an existing solution?

The ozone unit generator is an enhancement of the AIO type systems controlling bacteria build up in the dome area of the tank and reducing odors related to that build up.

Who is the target market for the Iron Breaker OZ?

The ozone unit when added to a Clack AIO system will increase the oxidation process and re-oxidize medias such as Katalox Lite, Greensand Plus, Catalytic Carbon, or Titanium oxide. It also controls the buildup of iron-related bacteria, nuisance bacteria and aerobic bacteria thus controlling associated tastes and smells.

What filtration media works well with ozone?

Usually media choice is determined by our OEMs. Some use Katalox Lite, Greensand Plus, Catalytic Carbon, or titanium oxide. All of these work well with ozone but would be dependent on factors such as pH, organics or turbidity.

Does the Iron Breaker OZ work with the Clack 'filter' valve?

The Iron Breaker OZ requires a Clack valve set up in the AIO configuration and needs our CD Matrix, Touch Screen, or CH boards to turn it on.

Does the Iron help with bacterial iron issues?

Yes, many of our OEM's report success with not only iron bacteria but all IRB's and nuisance bacteria.

Does the Iron Breaker OZ work well with Birm?

No. Clack does not recommend the use of Birm with ozone.



CW47044-1CD

Cell Cleaning Kit

CD cells within Iron Breaker OZ products are designed for easy cleaning. Periodic cleaning of the CD cell is important and will keep your generator operating effectively and efficiently. Cleaning the cell can be done quickly ...in four easy steps.



CW47047-01

Cartridge Air Dryer Kit

Protect your Iron Breaker OZ from the harmful effects of wet, humid air. The ozone air dryer promotes long-lasting, trouble-free service for your Iron Breaker OZ water treatment system.



CW47047-R

Air Dryer Replacement Cartridge

Keep the ozone air dryer cartridges on hand to replace worn out cartridges as needed.



CW33218-R

Iron Breaker OZ Replacement CD Cell

Keep a clean, spare ozone corona discharge cell on hand for easy scheduled maintenance. Fits the CW31504 and the CW31506 series.



**CW47035-2P (2 valves) • CW47035-12P (12 valves)
CW47035-50P (50 valves) • CW47035-100P (100 valves)**

3/16" Barbed Check Valve Kit

The in-line check valve on your Iron Breaker OZ should be replaced once a year to ensure water does not back up into the CD Cell.



CW40085R

1.5 Meter Cord Extension

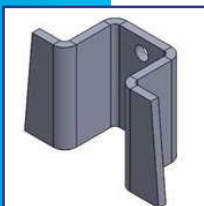
The 1.5 Meter (59") low voltage cord extension is available to get your Iron Breaker OZ power transformer to the closest existing power outlet. (Only one extension may be used with the power supply)



CW40080-03R

1500 mA 12 VDC Power Supply w/1.5 Meter Cord

Supplies 12 Volts DC power for the Iron Breaker OZ power supply)



CW34260R

Iron Breaker OZ Wall Mount Adaptor

Replaces control valve mounting clamp and clip for wall or flat surface mount installations.