

Why **SOFT** WATER?

Hard Water Produces Scale

Stains or buildup on your sinks and bathtubs, using large amounts of soap to clean dishes or wash your hair, or odd tasting or smelling water, are all results of hard water. If left untreated, the minerals in hard water will cause white stains on plumbing fixtures and be deposited as scale, eventually clogging plumbing and shortening the life of appliances like washing machines, water heaters, and dishwashers.

How the ChargerPro Morgan System Softens Water

Hard water passes through the media tank that contains resin beads coated with sodium ions. The calcium and magnesium ions are exchanged for sodium (or potassium) ions, thus 'softening' the water. When the beads have trapped the hardness and need to be regenerated, the control valve charges them with the brine from the brine tank.

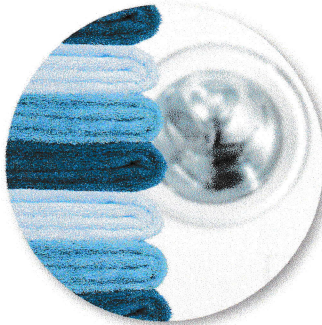
As regeneration occurs, calcium and magnesium (hardness) ions are freed from the beads, replaced with sodium or potassium ions, and the system is ready to soften water again.

ChargerPro Series Systems eliminate the effects of hard water. They "soften" the water by removing the calcium and magnesium, extending the useful life of water heaters, coffeemakers, humidifiers, and household plumbing as well as many other appliances and fixtures that water passes through by as much as 30%.

Buying Tip: Capacity is one of the first things you should look for in a water treatment system. The average family uses 80 to 100 gallons of water per person per day. That means a household of five requires 400 gallons of softened water daily.



- Gentle and less dry for skin
- Better lather
- Eliminate soap scum and mineral deposits

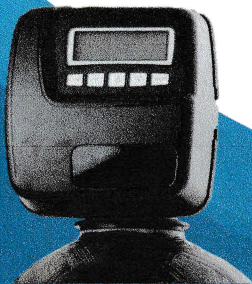


- Clothes are softer, cleaner, whiter, and brighter
- Increase clothing life up to 33%
- Extend the life of your washing machine



- Spot-free, cleaner dishes
- No film or mineral etching on glass

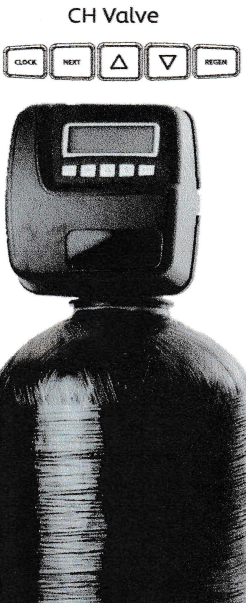
Why Choose the ChargerPro™ Morgan SYSTEM?

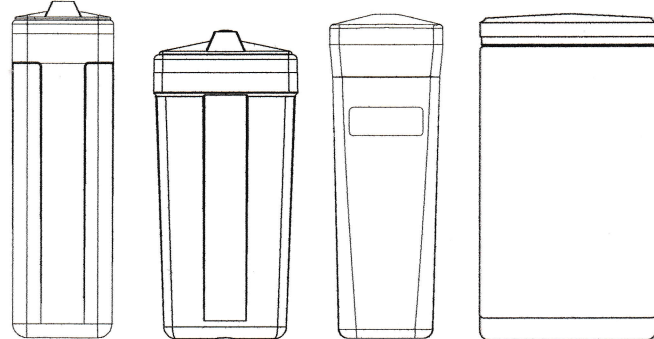


- **Efficient Water Softening:** The ChargerPro Morgan System saves water and up to 40% in salt usage.
- **Durability and Reliability:** Known for its longevity and minimal maintenance requirements.
- **Consistent Water Quality**
- **Environmentally Friendly:** Efficient use of salt helps to reduce the environmental impact.
- **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.

Morgan - 1" Series

Water Softening Systems

Single Tank Model	Model #	Grains Capacity 9 lbs/cu ft	Grains Capacity 15 lbs/cu ft	Mineral Tank	SVC (Service) Flow Rate	Backwash Rate
	Single Tank Models with 1" Standard Distributor and Brine Tank					
	CHS-24R-1	18,000	22,500	8 x 44	2.5 gpm	1.7 gpm
	CHS-32R-1	24,000	30,000	9 x 48	5 gpm	2.2 gpm
	CHS-40R-1	30,000	37,500	10 x 44	6 gpm	2.7 gpm
	CHS-48R-1	36,000	45,000	10 x 54	7.5 gpm	2.7 gpm
	CHS-64R-1	48,000	60,000	12 x 52	10 gpm	3.2 gpm
	CHS-80R-1	60,000	75,000	13 x 54	12.5 gpm	4.2 gpm
	Single Tank Models with 1" Turbulator Backwash and Brine Tank					
	CHS-24T-1	18,000	22,500	8 x 44	2.5 gpm	2.2 gpm
	CHS-32T-1	24,000	30,000	8 x 44	5 gpm	2.2 gpm
	CHS-40T-1	30,000	37,500	9 x 48	6 gpm	2.7 gpm
	CHS-48T-1	36,000	45,000	10 x 44	7.5 gpm	3.2 gpm
	CHS-64T-1	48,000	60,000	10 x 54	10 gpm	3.2 gpm
	CHS-80T-1	60,000	75,000	12 x 52	12.5 gpm	4.2 gpm

	MINERAL TANK AVAILABLE COLORS: Black, Natural, Almond, Blue, Platinum <i>Mineral tank jackets are available upon request.</i> <i>Optional outdoor weather covers.</i>
	BRINE TANK AVAILABLE COLORS: Black, Almond, Blue, Platinum BRINE TANK AVAILABLE SIZES: <u>Square/Rectangular:</u> 11x11, 15x17, 15x15 <u>Round:</u> 18x33, 18x36, 18x40

ChargerPro Morgan Valve Benefits

- Backlit screen for easy viewing
- Allows for downflow and upflow (not field changeable)
- Single relay option
- 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 Morgan - 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/Upflow
Operating Pressures
 Minimum/Maximum 20 psi - 125 psi
Operating Temperatures
 Minimum/Maximum 40°-110°F

Brine tank performance insurance

All Charger water softeners may be ordered with optional salt grid which helps to prevent salt bridging.



ChargerPro™ Series

Iron Breaker™ System

Until recently, the most common solution for problem iron and H_2S (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 H_2S . The Iron Breaker has a proven, patented technology that uses nature's own oxidation process to eliminate iron and H_2S 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 H_2S 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_2S

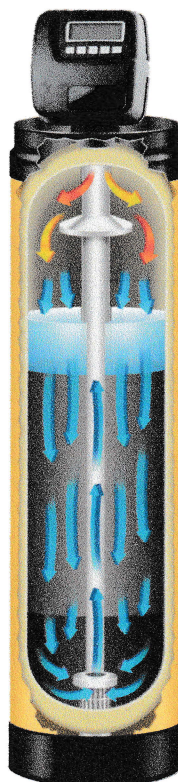
If you're noticing rust-colored stains on your sinks or bathtubs, a metallic or rotten egg smell, or unpleasant tastes in your water, iron and hydrogen sulfide, H_2S , may be to blame. These contaminants can not only cause discoloration and foul odors but also lead to scale buildup that clogs plumbing 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 H_2S in your home:

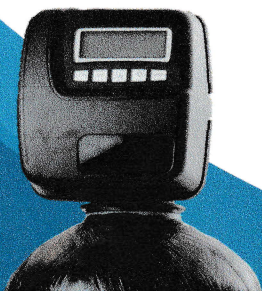
- Stop iron stains from occurring
- Enjoy clean, odor-free water
- Protect your water softener from iron fouling
- Protect plumbing fixtures, appliances and clothing
- Protect pipes from iron-clogging and black oxidation caused by H_2S
- Reduces the need for chemical feed treatment systems

The Iron Breaker reduces iron and will help remove the negative effects of H_2S . Both of these can damage your plumbing and fixtures, discolor your laundry, or create unpleasant odors in drinking water and showers.



Picture shown with optional tank jacket.

Why Choose the ChargerPro™ Morgan 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.

Morgan - 1" Series

Air Draw Filtration Systems

Iron Breaker™

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



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. 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.

Optional Ozone Sanitizer

The EOG 200, when combined with the ChargerPro Morgan 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 Morgan Valve Benefits

- Backlit screen for easy viewing
- Allows for downflow and upflow (not field changable)
- Single relay option
- 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 Morgan - 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/Upflow

Operating Pressures

Minimum/Maximum 20 psi - 125 psi

Operating Temperatures

Minimum/Maximum 40°-110°F