

HALO ION™ Inline Water Conditioners - FAQ

How does the HALO ION™ Inline Water Conditioner work?

The patented system, when installed in a water supply line, controls the formation of scale and corrosion deposits without the use of chemicals. Water passing through the alternating magnetic fields causes most minerals (iron excepted) to stay suspended in the water so they cannot form a hard, brittle scale. The entire process bonds calcium ions to each other rather than to your plumbing and plumbing fixtures

Water passes, under pressure, and with minimal turbulence, through alternating magnetic lines of force perpendicular to the water's flow direction. This causes a polarizing effect upon non-polar constituents in the water, and provides the energy of activation level necessary to cause the dissolved Calcium Carbonate (Calcite) CaCO_3 within the water to recombine and form "aragonite" (an amorphous powdery form) when the solubility limit is reached. Unlike crystalline CaCO_3 , aragonite can easily remain suspended in the water stream rather than attaching to system walls as "scale".

The presence of aragonite in the water provides an additional benefit in terms of corrosion protection. A thin film of the soft aragonite, which normally forms as a result of long term magnetic treatment, actually prevents free oxygen within the water from attacking the metallic components through which the water travels, thus preventing corrosion.

How is your product different from traditional water softeners?

Most water hardness treatment systems use ion exchange with salt as a regenerate which can have adverse effects on our health and the environment. While ion exchange systems substitute salt (sodium) for calcium, the HALO ION™ Inline Water Conditioner transforms dissolved calcium to crystallized calcium. Calcium in its crystallized state is rendered harmless and free from its hard properties and scaling effects.

What is your product used for?

The HALO ION™ Inline Water Conditioner has several uses. It is primarily used for commercial applications where scale prevention is required, such as; water heater pretreatment, reverse osmosis pretreatment, etc. It is also used for residential applications where HALO ION™ water is desired for both taste and functional use.

What is special about the HALO ION™ Inline Water Conditioner?

The HALO ION™ Inline Water Conditioner has been in use since 1964. It is the most widely used, recognized and reliable maintenance-free system available today. In addition, recent local bans on soft water equipment or wastewater discharge permits are not applicable to this system.

What is so important about not using chemicals or sodium in treating the water?

1. You are not spending money on them. 2. You are not ingesting them in part or in whole. 3. You are not adding to the pollution of the water supplies.

If the HALO ION™ Inline Water Conditioner does not use chemicals or sodium, what does it use?

Just water! The HALO ION™ Inline Water Conditioner alters the state of the water through a multi-stage magnetic process; it does not add anything to it.

Will the water test soft after the system is installed?

NO. Remember that the calcium is still present in the water but in an altered state. A test for hardness in reality is a test for the presence of minerals Calcium and Magnesium, which have naturally hard properties. The HALO ION™ Inline Water Conditioner renders these harmless.

Won't the calcium crystals revert back to their dissolved state in my water heater?

The calcium crystals will remain suspended for approx. 24 to 72 hours. Normal water usage indicates that a typical household will turn the hot water over in a correctly sized water heater at least once per day. This means that the suspended calcium crystals will be washed down the drain before they have the chance to revert back to a dissolved state. At times when the water does sit for example if you are away on vacation, as soon as water is drawn through the unit the water is conditioned and any water that has been converted back to hard will quickly wash through. This prevents any scale from building up over time.

NON-CHEMICAL WATER CONDITIONING



ION

Effectively Controls Lime Scale

Easy Installation - Maintenance Free

No Bypass - No Drainage - No Electricity

Great for Plants and Landscaping

Eco-Friendly Hard Water Treatment

10 Year Warranty

Made in USA



Hard Water causes all kinds of problems.

For years, chemical water softeners have been the only choice for dealing with hard water.

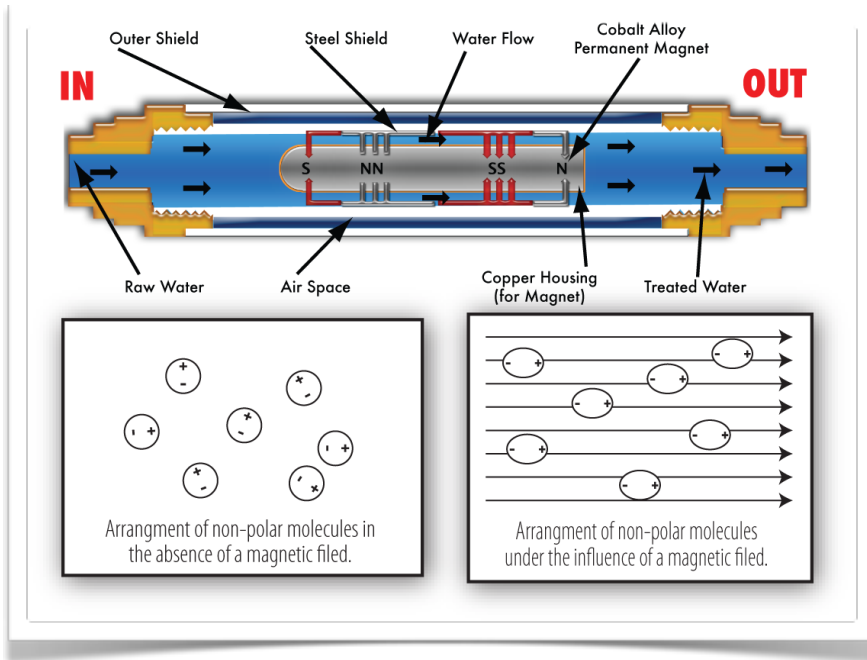
Now many states and counties have banned the use of these same water softeners.

toll free support
800.591.0538
www.halowater.com

How It Works:



Inside the conditioner treatment chamber, the water passes through a series of magnetic fields. This causes the calcium and magnesium to stay suspended in the water instead of forming hard, brittle scale on your plumbing pipes, water using appliances and fixtures.



How to choose the correct conditioner:

All of the HALO ION Inline Water Conditioners are sized according to flow rate. Because the conditioners are effective when the flow rate is lower than the conditioner's rated capacity, but not when the flow rate exceeds the rated capacity, it is common that a given conditioner will have a flow rating that is slightly higher than the effective maximum demand.

NOTE: In the case of systems with re-circulating loops, you will need to install an additional conditioner on the outlet side of the pump, sized according to the flow rate of the re-circulating pump.

TANKLESS WATER HEATERS: Our conditioners have had excellent results in treating all brands of tankless water heaters for the control of scale. In the case of **NORITZ TANKLESS WATER HEATERS** we have seen a small percentage (5%) of the installations have less than optimal results. This has only been on **NORITZ TANKLESS WATER HEATERS**.

HALO ION™ INLINE WATER CONDITIONER THE ECO-FRIENDLY HARD WATER TREATMENT SOLUTION

Sizing | Specifications | Pricing

All HALO ION™ Series Inline Water Conditioners include a 10 year Manufacturer's Warranty

Prices do NOT include installation. All prices subject to change without notice.

Model I	3 GPH	Refrigerator/Icemaker
1 1/8" x 4 1/2" 1/4" Compression		
Model H	6 GPH	Humidifier
1 1/8" x 5" 1/4" Compression		
Model GH	5 GPM	Watering/Car Washing
1 1/4" x 7 1/2" Hose Bib		
Model 6	6 GPM	Water Heater/Recirc Loop
1 3/4" x 9" 3/4" Threads		
Model 9	9 GPM	Whole House (1-2 Bath)
2 1/4" x 9 1/4" 3/4" or 1" Threads (please specify when ordering)		
Model 12	12 GPM	Whole House (2-3 Bath)
2 1/4" x 13" 3/4" or 1" Threads (please specify when ordering)		
Model 20	20 GPM	Whole House (3-4 Bath)
2 1/4" x 17" 3/4" or 1" Threads (please specify when ordering)		
Model 35	35 GPM	Whole House (Hi Flow)/Multi-Unit
2 1/2" x 16" 1 1/2" Threads		
Model 50	50 GPM	Whole House (Hi Flow)/Multi-Unit
2 1/2" x 16 1/2" 2" Threads		