

SAY *hello* TO

HALO
WATER SYSTEMS



PRODUCT Information Guide

Change your water. Change your life.

A high-speed photograph of water being poured from a glass pitcher into a clear glass. The water is captured mid-pour, creating a dynamic splash and ripples in the glass. The background is a soft, light blue gradient.

Who is HALO?

HALO Water Systems is a real-time, on-demand, web-enabled water quality solutions company.

HALO provides contractors with the ability to deliver a consistent, quality assured, fully-supported water quality service experience to their customers.

HALO water quality solutions are available to licensed contractors ONLY, through our national network of preferred distribution partners

What does HALO do?

HALO delivers premium quality solutions and unsurpassed customer service.

HALO solutions are focused on treatment of municipal water supplies, with a complete set of premium options for customers to choose from.

HALO has a complete set of water quality solutions for the following application markets.

- Industrial
- Agricultural / Irrigation
- Residential (single-family / multi-tenant)
- Commercial (multi-tenant, food service, heating/cooling)

H₂zero ULTIMATE

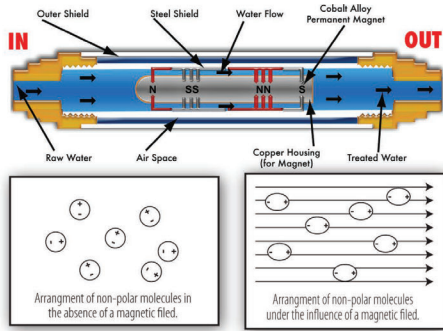


Scan QR code for information and installation videos.

Industry leading 10 year warranty!

HALO ION Scale Inhibitor explained:

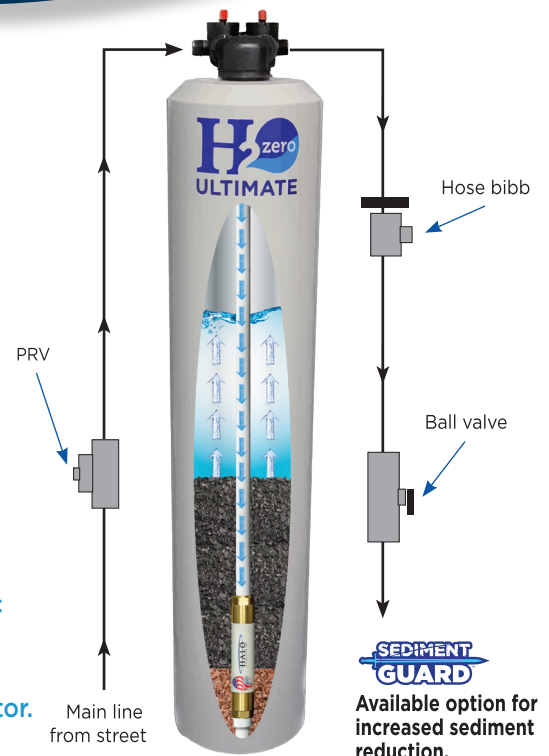
The HALO ION Scale Inhibitor uses multi-reversing polarity permanent magnetic fields to affect the “ionic charge identity” of the CaCO₃ and MgCO₃ so that they remain suspended in the water rather than precipitate out as hard water scale. This is the essence of the “conditioned effect” delivered by the ION Scale Inhibitor.



ZERO Electricity

ZERO Backwash

ZERO Maintenance



Available option for increased sediment reduction.

Installation of a hose bibb and a shut off (ball valve) is required downstream from the unit.

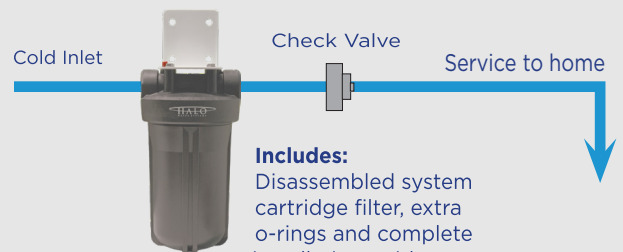
IMPORTANT!

Your system will not be ready to use for a minimum of 24 hours while the carbon soak process takes place. Please plan your installation accordingly.

If you do not follow this step the water may become discolored and carbon fines may enter the home.



Pre or post filter option for increased sediment reduction.



Includes:
Disassembled system cartridge filter, extra o-rings and complete installation guide.

Systems: H-SG510 (10") H-SG520 (20") Filters: H-SGRC-510 (10") H-SGRC-520 (20")

WARNING: Do not use with water that is microbiological unsafe or of unknown quality without adequate disinfection before or after the system. Intended for use treatment of cold water only. Do not exceed 80 psi. Intended for residential use only.

NOTE: The HALO filtration systems are intended for treatment of potable water provided by municipal water providers. While the HALO Filtration Systems may be effective for treatment of well water it is vital that a well water quality analysis be provided for review and recommendation in to ensure that optimum results can be realized. Failure to provide a current well water report to HALO Water Systems for analysis and recommendation voids all warranties.



Protecting your
**FAMILY
HOME
& PLANET**

Activated Carbon (HAC/KDF55)

HAC/KDF55 is an outstanding material for successfully reducing free chlorine from water supplies. The end product is clean, fresh water with no objectionable taste or odor characteristics. Additionally, HAC can be used for filtering waters having a wide range of pH levels and will impart a high “polish” to the filtered water. **HALO HAC/KDF55 meets or exceeds NSF/ANSI Certifications under NSF Standard 42.**



H2Z1054-SM-100

H2 ZERO Family

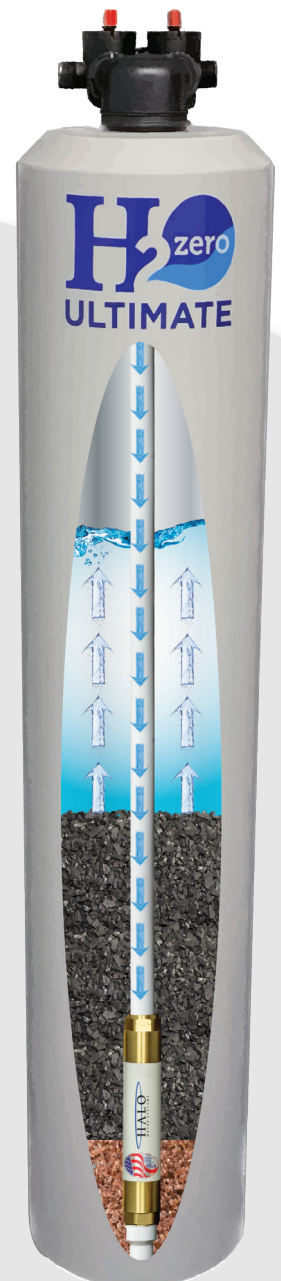
Whole House Water Filtration and Conditioning System

SPECIFICATIONS

PART #:	H2Z1054-ULT-100	H2Z1252-ULT-150	H2Z1054-C-100	H2Z1054-SM-100
MAIN SIZE:	.75" - 1"	1.25" - 1.5"	.75" - 1"	.75" - 1"
SERVICE FLOW:	10 GPM	14 GPM	10 GPM	10 GPM
PEAK FLOW:	15 GPM	19 GPM	15 GPM	15 GPM
MIN. PRESS:	15 psi	15 psi	15 psi	15 psi
MAX. PRESS:	80 psi	80 psi	80 psi	80 psi
MIN. TEMP:	40° F	40° F	40° F	40° F
MAX. TEMP:	110°F	110°F	110°F	110°F

DIMENSIONS

PART #:	H2Z1054-ULT-100	H2Z1252-ULT-150	H2Z1054-C-100	H2Z1252-C-150	H2Z1054-SM-100
SHIP WEIGHT:	103.5 lbs	145.5 lbs	99 lbs	141 lbs	45 lbs
LENGTH:	12"	14"	12"	14"	14"
WIDTH:	12"	14"	12"	14"	12"
HEIGHT:	65"	63"	65"	63"	65"





H2 ZERO CARBON

MAINTENANCE FREE

Whole House Filtration System

H2 Zero Filtration Only Catalytic High Activity Carbon (HAC)

HAC is an outstanding material for successfully reducing free chlorine from water supplies. The end product is clean, fresh water with no objectionable taste or odor characteristics. Additionally, HAC can be used for filtering waters having a wide range of pH levels and will impart a high “polish” to the filtered water.

Our HAC meets or exceeds NSF/ANSI Standard 61 and all Food Chemical Codex, AWWA, ASTM and USP Standards.




This water saver has a small footprint without the need for a backwash. The H2 Zero carbon filters the entire home.

Industry leading 10 year warranty.

BENEFITS

-  ZERO electricity
-  Chlorine reduction
-  PREMIUM carbon
-  10 year warranty
-  ZERO backwash
-  Great tasting water
-  Environmentally safe
-  MAINTENANCE FREE

HALO saves you money with:

-  **ZERO ELECTRICITY**
-  **ZERO BACKWASH**
-  **ZERO MAINTENANCE**



GO GREEN!

H2 ZERO CARBON REDUCES CHLORINE

No more chlorine damage • No more bad taste or smell • No more bottled water

HALO filtration systems are effective at reducing chlorine, chloramines and chlorination by products from your household water.

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PROPRIETARY 5 MICRON CARTRIDGE FILTRATION SYSTEM

LEARN MORE



Applications

- Potable water
- Pre-filtration
- Post-filtration
- And more

Features & Benefits

- Low cost
- No media migration
- High sediment holding capacity
- Five micron rating



H-SG-520 Sediment Filter

5 micron sediment filter reduces sediment, sand, silt, scale and rust particles. Pleated design maximizes sediment holding capacity.

Dimensions 23.75 x 7.75 the filters are 4.5 diameter
H-SG-520 - Sediment Filtration system
H-SGRC-520 - Replacement Filter



H-SG-510 Sediment Filter

5 micron sediment filter reduces sediment, sand, silt, scale and rust particles. Pleated design maximizes sediment holding capacity.

Dimensions 18 x 7.75 the filters are 4.5 diameter
H-SG-510 - Sediment Filtration system
H-SGRC-510 - Replacement Filter

HIGHLY FILTERED SUPER SOFT WATER SAVER COMBO

Whole House Water Filtration and Softening System

LEARN MORE



Premium



ZERO backwash filtration combined with superior softening. This system pairs the H2 Zero Carbon's, ZERO backwash high efficiency carbon filtration with the CK10 softener for a silky soft chlorine free experience throughout the home.

The CK10™ AND SUPERSOFT™ performance is enhanced, having a longer life span and consuming 25% less salt while being protected by the H2 Zero high filtration.



H5-100

H2Z1054-ULT-100 H-CK10-150

H2 Zero FAMILY

Zero backwash, Whole House Carbon Filtration System

10 year warranty

Value

CK10 AND SUPERSOFT™

Whole House Water Softening System

***The only industry leading 10 year warranty**



H2Z1054-C-100

H-SS-100

WHAT'S IN YOUR WATER?



SCAN TO GET RESULTS

*Supersoft and CK10 warranty extended to 10 years if HALO whole house filtration is installed at the same time.

HIGHLY FILTERED SUPER SOFT COMBO SPEC

Whole House Water Filtration, Conditioning and Softening System



H-CK10-150



H2Z1054-ULT-100
Spec sheet on page 7



H2Z1054-C-100
Spec sheet on page 7



H5-100
Spec sheet on page 5

CK10

MODEL #	MINERAL TANK SIZE	RESIN CU FT	BRINE TANK	PEAK GPM
H-CK10-150	10" X 54"	1.5	18" X 33"	14
H-CK10-200	12" X 52"	2	18" X 33"	16
H-CK10-250	13" X 54"	2.5	18" X 40"	18

Note: salt or potassium both work with the CK 10 softener.



H-SS-100

SUPERSOFT

MODEL #	TANK SIZE	WEIGHT	MAIN SIZE	PEAK GPM
H-SS-100	13.5" Dia. x 60"	99 lbs	.75" - 1.25"	99 lbs
H-SS-150	15.5" Dia. x 58"	141 lbs	.75" - 1.25"	141 lbs

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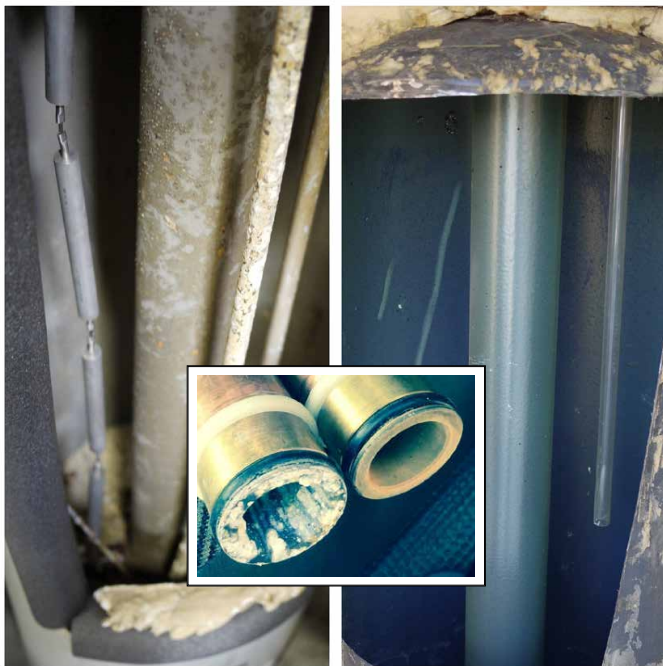
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Proprietary HALO ION 2.0 Scale Inhibitor

Whole House Water Conditioning System

MAINTENANCE FREE!

What difference does the proprietary ION 2.0 Scale Inhibitor make?



WITHOUT TREATMENT

After nearly 7 years of service on San Diego Municipal Water with no water treatment installed. Accumulation of Scale & Corrosion

WITH HALO ION

After nearly 7 years of service on San Diego Municipal Water with HALO 5 (INCLUDES ION) water treatment installed. **NO EVIDENCE OF SCALE OR CORROSION** (The marks on the back wall of the heater are where we ran a fingertip along the back to demonstrate the presence of the Aragonite talc.)



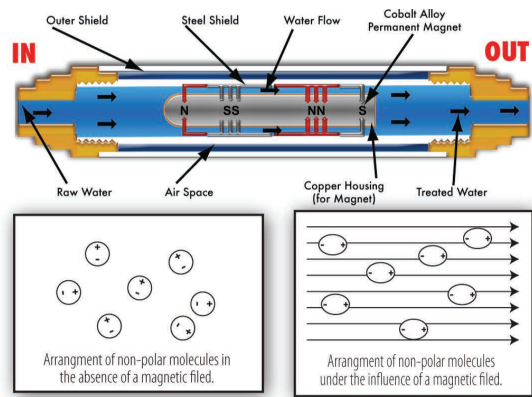
Scan code to learn more about ION 2.0

PRO TIP: The newly designed HALO ION 2.0 no longer needs dielectric unions unless dissimilar metals are present to ensure electrolysis is not an issue during soldering.



TANK & TANKLESS Water Heater Protection

Protect your tank or tankless water heater from lime scale build-up.



ION SCALE INHIBITOR PICTURED IS INSTALLED ON A RECIRCULATION LOOP.



ION FEATURES

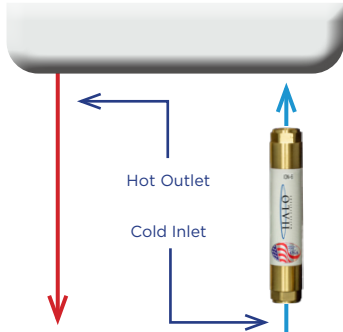
- Installs in-line
- No electricity
- No drain
- Maintenance free
- 10 year warranty
- **Parts AND Labor!**

ION BENEFITS

- Dissolves scale
- Inhibits scale
- Inhibits corrosion
- No slimy feeling
- Cleaner clothes

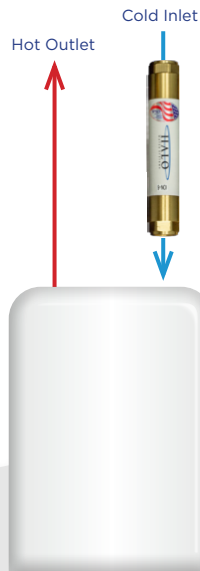
Tankless Water Heater

Installed on cold water inlet



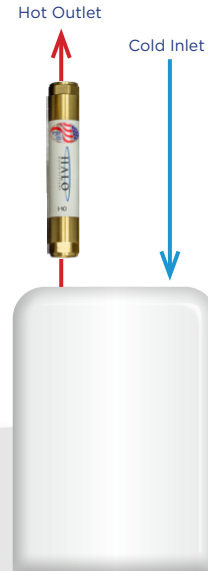
Tank Water Heater

Once through application



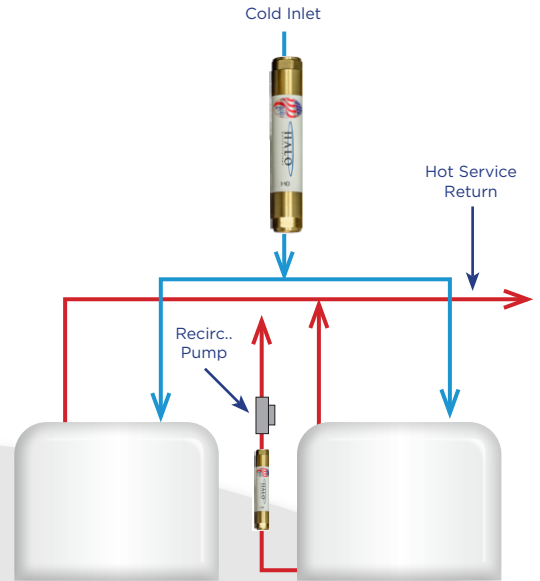
Tank Water Heater

With recirculation loop



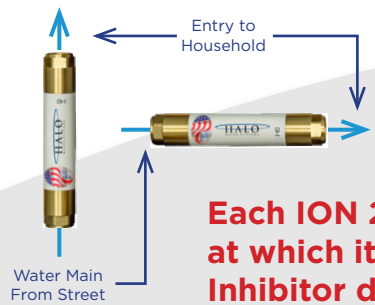
Commercial Tank Water Heater

With & without recirculation loop



Main Line - Whole House

Once through application



Each ION 2.0 scale inhibitor is sized according to the maximum flow rate at which it will condition the water most effectively. The HALO ION Scale Inhibitor does not restrict water flow*

PRO TIP: The newly designed HALO ION 2.0 no longer needs dielectric unions unless dissimilar metals are present to ensure electrolysis is not an issue during soldering.

ION Specifications

Whole House Water Conditioning System

Model	Dimensions	Fittings	Use Case	Flow Rate maxz
ION-H	1.125" D X 5" L	.25" Compression	Humidifier	6 GPH
ION-GH	1.25" D X 7.5" L	Hose Bib	Plant Watering	5 GPM
ION-6	1.75" D X 9" L	.75" FIP	Water Heaters	6 GPM
ION-9	2.25" D X 9.25" L	1" FIP	Whole House (1-2 bath)	9 GPM
ION-12	2.25" D X 13" L	1" FIP	Whole House (3-4 bath)	12 GPM
ION-20	2.25" D X 17" L	1" FIP	Whole House (4-6 bath)	20 GPM
ION-35	2.50" D X 16" L	1.5" FIP	Whole House (Multi-Unit)	35 GPM
ION-50	2.50" D X 16.50" L	2" FIP	Whole House (Multi-Unit)	50 GPM

All HALO ION Scale Inhibitor Series in-line water conditioners are 100% made in the USA and have a 10 year manufacturer's parts and labor warranty.

ULTRA⁺ PLUS

Reverse Osmosis Purification System With Alkalinity Booster

Addresses specific contaminants in your municipal or well water for the reduction of: PFAS, PFOS, arsenic, barium, cadmium, copper, fluoride, chromium (hexavalent), lead, radium 226/228, selenium, trivalent chromium, turbidity and TDS and much more.

Features

- Smart Faucet *Tells you when to change filters!*
- No tools required for filter change
- 1 GAL. purified to 1 GAL. wasted!
- Air hammer arrestor
Extends the life of equipment
& protects the home and family
- HALO leak detector, shuts off water

TOTAL CARE

5-stage quality with only 4 filters to replace!

Capacity: 50 Gallons per day

Dimensions: 15" x 14.6" x 4.6"

Stage 1: Sediment Filter - 5 microns

Stage 2: Carbon block pre-filter - 5 micron

Stage 3: 50 gallon per day membrane

Stage 4: Alkalinity pH booster

- Increases pH to levels between 8 and 9.5
- Controlled TDS release (40ppm vs 300ppm)
- Alkaline Filter Service Life of up to 3,000 gal. Filter replacement 12/18 mos.



Smart Faucet
Blue light turns red
when it's time to
change the filters!

Water Saver

Industry leading, 1 Gal. recovery to 1 Gal. wsted!

What is pH (potential of hydrogen)

pH is a measure of the acidity or basicity of liquids. A pH of 7 is considered neutral. Above 7 is considered basic or alkaline, and less than 7 is considered acidic.



Scan to learn more
HALO Ultra Plus

System: H-RO-PLUS
Filter kit: H-RO-PLUS-KIT

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HALO UV SERIES

Ultraviolet Sterilization

UV sterilization is an environmentally friendly alternative to chlorine disinfection and has no disinfection byproducts. UV sterilization works night and day, 24/7. Water flows through the system without need for a holding tank or reaction times. UV is more effective than chlorine or chloramines with low electrical needs. UV is one of only 4 methods approved for disinfection by US Food & Drug Administration (FDA). The UV sterilization process does not waste any water.

Note: UV light is only able to eliminate microorganisms in water.

UV technology does not remove any other contaminants from water such as heavy metals, salts, chlorine or man-made substances like petroleum products or pharmaceuticals. Other filtration methods should be employed with UV to ensure that contaminants are removed from the water. Chemical disinfection methods (such as chlorine) change the taste and odor of water and produce byproducts, UV does not.



Water quality is extremely important for the optimum performance of your UV system. The following levels are recommended for installation:

- Iron: <0.3 ppm (0.3 mg/L)
- Hardness *: < 7 GPG (120 mg/L)
- Turbidity: < 1 NTU
- Manganese: < 0.05 ppm (0.05 mg/L)
- Tannins: < 0.1 ppm (0.1 mg/L)
- UV Transmittance: > 75%

(Call factory for recommendations on applications where UVT < 75%)

H-UV12-HD: Ultraviolet System

H-UV12-SLEEVE-HD: Quarts sleeve

H-UV12-LAMP-HD: Replacement bulb

H-UV12-BALLAST-HD: Ballast

SCAN FOR
MORE INFO



HALO UV

*** Where total hardness is more than 7 gpg, the UV unit should operate efficiently provided the quartz sleeve is cleaned periodically. If total hardness is over 7 gpg, the water should be softened or treated.**

If your water chemistry contains levels in excess of those mentioned above, proper pre-treatment is recommended to correct these water problems prior to the installation of your UV disinfection system. These water quality parameters can be tested by your local contractor, or by most private analytical laboratories. Proper pre-treatment is essential for the UV disinfection system to operate as intended.

Installation at a glance (H-UV12-HD)

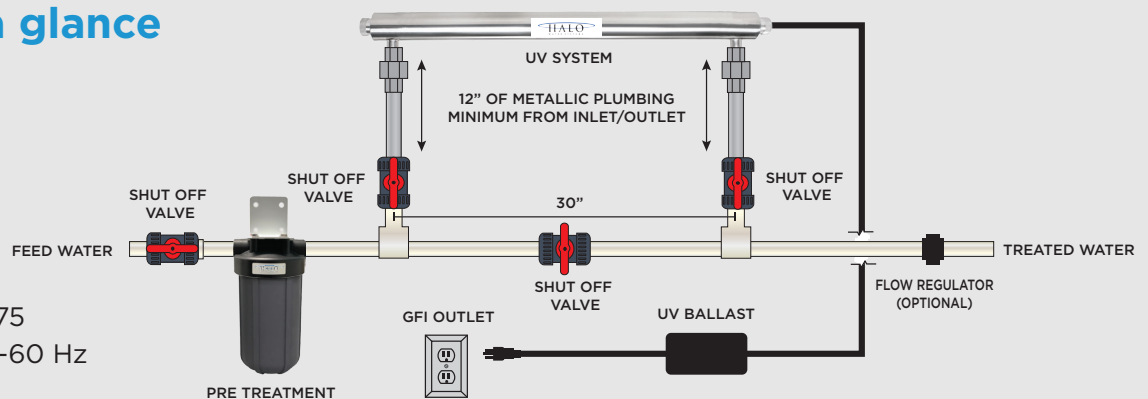
Flow Rate: 12 gpm

Pipe Size: .75"

Center Line: 30"

Dimensions: 18 x 6 x 5.375

Electrical: 110-130V / 50-60 Hz





LEARN MORE



COMPLETE WATER HEATER PROTECTION
Sediment Filter and Scale Inhibitor for Tank and Tankless Water Heaters



DUAL STAGE TREATMENT

- 💧 **Industry leading 12.5 GPM**
- 💧 **Cleaner dishes and glassware**
- 💧 **Inhibits scale and corrosion**
- 💧 **Zero electricity**
- 💧 **Saves money**
- 💧 **Zero backwash**

HOW IT WORKS

Finally, a cost effective way to minimize lime scale damage and corrosion and extend the life of the water heating systems and appliances.

The system works by using a high capacity filter that removes silt, dirt, rust and sediment. The water then passes through our proprietary scale inhibitor chamber to inhibit minerals from adhering to water heaters, fixtures and appliances.

Note: Includes a pressure relief system for easy filter changes and a high quality liquid filled pressure gauge with high pressure indicator red zone.

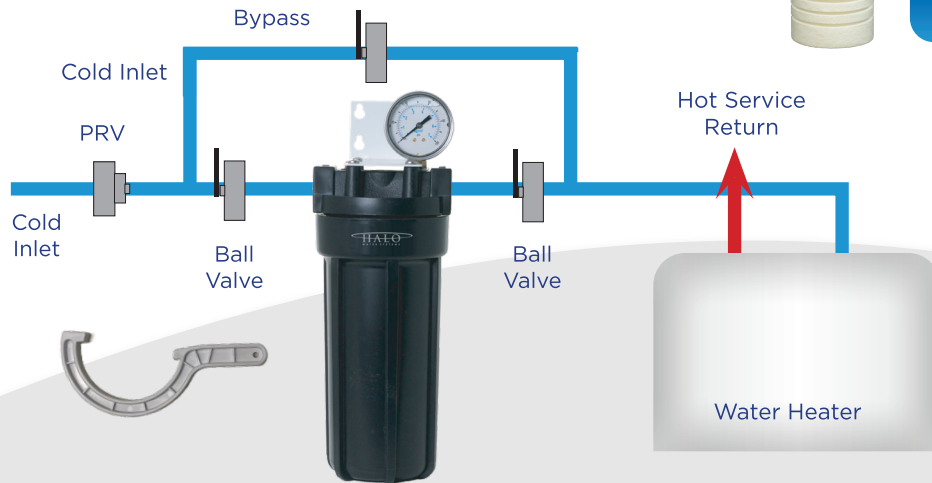
1. Mount filter and housing to wall using appropriate hardware. Mounting to a stud is preferred.
2. Plumb cold water feed to the inlet of the filter.
3. Plumb outlet of filter to inlet of tank or tankless water heater.
4. Slowly pressurize the filter and monitor water pressure. If the pressure exceeds 80 psi, stop and install a pressure regulator.
5. Carefully inspect system for leaks. Do not over tighten.

Please Note: HALO Guardian is rated for cold water treatment only.

HALO HEATER GUARDIAN ELITE HG-75

Note: HALO Heater Guardian is rated for cold water treatment only. Install on the cold water inlet of water heater.

If recirculating loop is present, you must install a check valve to prevent thermal expansion into Guardian.



HALO Heater Guardian - HG-75

Dimensions	15" H X 5" W x 6" D
Weight	Approx. 6.2 LBS
In/Outlet	.75" NPT
Rated Flow	Effective up to 12.5 GPM
Capacity	Up to 50,000 Gallons

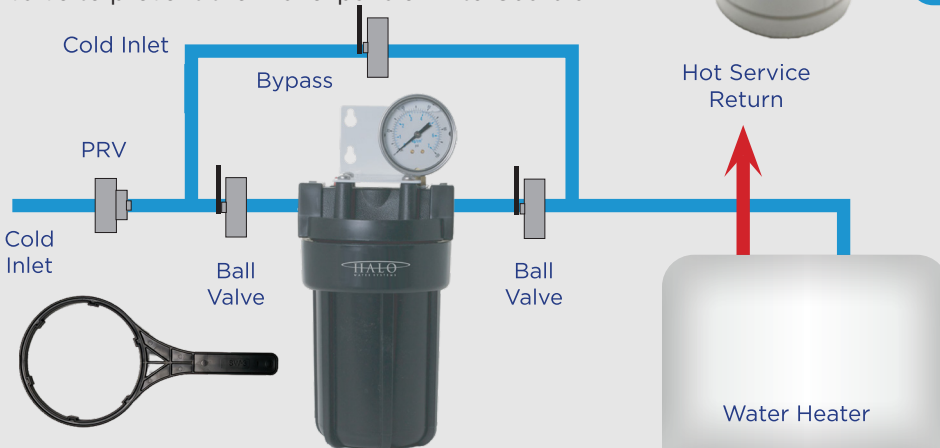
REPLACEMENT CARTRIDGE:
Model HG-RC-75 Heater Guardian Cartridge

Includes:
Disassembled system - cartridge, filter wrench, extra o-rings and complete installation guide.

HALO HEATER GUARDIAN ELITE HG-100

Note: HALO Heater Guardian is rated for cold water treatment only. Install on the cold water inlet of water heater.

If recirculating loop is present, you must install a check valve to prevent thermal expansion into Guardian.



HALO Heater Guardian - HG-100

Dimensions	18" H x 7" W x 8" D
Weight	Approx. 13.4 LBS
In/Outlet	1" NPT
Rated Flow	Effective up to 22.5 GPM
Capacity	Up to 75,000 Gallons

REPLACEMENT CARTRIDGE:
Model HG-RC-100 Heater Guardian Cartridge

Includes:
Disassembled system - cartridge, filter wrench, extra o-rings and complete installation guide.

ACTIVATED CARBON

General contaminant removal capabilities

Contaminants Effectively Removed

Chlorine

(Water additive used to control microbes)

Sodium Hypochlorite

(Natural erosion & used in water treatment)

Commercial Additives:

- Cresol
- Dyes
- Ketones
- Phenol
- Toluene
- Tolidine

Disinfectants:

- Bleach
- Calcium Hypochlorite
- Chlorophenol

DPCBs (Environmental Pollutants)

Pesticides:

- Defoliant
- Herbicides
- Methyl Bromide

Solvents:

- Amyl Acetate
- Diesel Fuel
- Nitrobenzene
- Turpentine
- Chlorobenzene
- Naphtha
- Butyl Acetate
- Glycols
- Oxalic Acid
- Benzene
- Gasoline
- Oil (Dissolved)
- Chloroform
- Methyl Ethyl Ketone
- Trichloroethylene
- Butyl Alcohol
- Hydrochloric Acid
- Organic Esters

TTHM (Total Trihalomethanes) (By-product of drinking water chlorination)

Pharmaceutical By-Products:

- Chloral
- Iodine
- Isopropyl Alcohol

Tannins (Food & wine by-products)

Tar Emulsion (Topical medication by-product)

Undesirable Taste

- Bleach or chlorine
- Garlic
- Medicinal

Undesirable Odors

- Chlorinous or bleach
- Earthy or grassy
- Fishy
- Fruity
- Musty
- Bleach
- Geranium

Contaminants Significantly Reduced

Alcohols (Commercial by-products)

Antifreeze (Poisonous products)

Chloramine (Water additive used to control microbes)

Solvents

- Acetaldehyde
- Methyl Acetate
- Ozone
- Organic Salts
- Acetone
- Methyl Alcohol
- Methyl Chloride

Disinfectants

- Lactic Acid
- Potassium Permanganate
- Radon (Gaseous element)

Commercial Additives:

- Chlorophyll
- Ethyl Chloride
- Mercaptans
- Propionic Acid
- Propyl Chloride
- Xanthophyll
- Citric Acid
- Ethyl Ether
- Organic Acids
- Propyl Acetate
- Sulfonated Oil
- Ethyl Alcohol
- Ethylamine
- Propionaldehyde
- Propyl Alcohol
- Tartaric Acid

Contaminants Reduced

- Acetic Acid
- Detergents
- Heavy Metals
- Hydrogen Selenide
- Lead
- Nitric Acid
- Soaps
- Vinegar

Limited Reduction

- Fluoride
- Hydrogen Bromide
- Precipitated Iron
- Precipitated Sulfur

DISCLAIMER: The use of this product in and of itself does not necessarily guarantee the removal of the contaminants and pathogens listed above from water. Effective contaminant and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.



FREQUENTLY ASKED QUESTIONS

What is the difference between a HALO 5 and a water softener?

The differences are profound. It is not an apples to apples comparison. While many softeners are comparably or priced higher than a HALO 5, traditional water softeners are a more expensive less effective way to address hard water scale and corrosion and actually add more contaminants into household water supplies and the environment. Most water hardness treatment systems use ion exchange with salt as a regenerate which can have an adverse effect on our health and the environment. While ion exchange systems substitute salt for calcium, the HALO ION In-line Water Conditioner transforms dissolved calcium for crystallized calcium. Calcium in its crystallized state is rendered harmless and free from its hard properties and scaling effects. For a detailed comparison please see the side by side comparison of "HALO 5 vs. Traditional Softeners".

What is the maintenance schedule on a HALO 5?

The HALO 5 IS MAINTENANCE FREE.

NOTE: In a home with 4 people, the water heater will need to be flushed (of scale solids) 3-4 months after the installation of the HALO 5, or any other HALO solution that includes an HALO ION water conditioner. This is because the HALO ION water conditioner will dissolve existing scale formation and inhibit hard water corrosion.

How much water is used during the backwash cycle?

On the HALO 5 Stage system, they come preprogrammed to backwash once a week. This is a 10 minute program that includes 6 minutes of fluidizing the media bed and 4 minutes of compaction.

On the H5-100 (HALO 5 Stage - 1") System - Approx. 3.5 gallons per minute. NOTE: The water that is discharged during the backwash cycle is actually cleaner than the water that came in from the street. It is safe for plants, can be run into a flower bed or a tree well.

How does the HALO 5 clean itself with no filters?

It automatically backwashes once a week. This is not so much to clean the system but really to reset the media bed and prevent "channeling". "Channeling" is water passing through the least resistant path of the granular bed avoiding contact time with the carbon resulting in lower effectiveness.

What are the commercial applications for HALO?

Food service equipment.
Heating and boiler applications.
Cooling and cooling tower applications.
Swimming pool, spa and water feature applications.
Agriculture and irrigation applications.

What separates the HALO 5 form other systems?

We use 2 of the best carbon medias on the market. GAC is great for the removal of chlorine and chloramines. HAC works great with free chlorine. The combination of the two will give you the best results 365 days a year.

We use a tank with a distributor head which reduces backwash rate by 30% or more, and pressure loss properties are improved by upwards of 40%. **WQA tested and approved. NSF 61 Lead free certification.** Integrated Solution (Filters and Conditions) that is effective for the family, home and planet.
Quality of Collateral Materials
Scope of Applications
Variety of Price Points
Quality of Sales Support
Quality of Technical Support
Quality of Customer Service
Only Available to Licensed Contractors.

How do we know when the HALO 5 is at its end of life?

On the H5-100 unit, after approximately 1 million gallons of usage. If the treated water tests positive for chlorine.

What are the Warranties?

HALO 5 - Limited lifetime warranty
Lifetime on the tank (up to one replacement)
10 years on the control head
10 years on the media (up to one tank replacement)
HALO ION - 10 year parts and labor
HALO Mini Series - 1 year on housings. 10 years on HALO ION

What is the difference between a HALO 5 and bottled water?

HALO retains the minerals in the water.
HALO is available throughout the entire home for bathing cooking and drinking water.
HALO does NOT contain Xenoestrogens or BPA commonly found in bottled water.
HALO water cost about 1/1000th as much as bottled water.

How does the HALO ION In-line 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 fixtures.

Water passes, under pressure, and with minimal turbulence, through alternating magnetic lines of force perpendicular to the waters flow direction. This causes a polarizing effect upon non-polar constituents in the water, and provides energy of activation level necessary to cause the dissolve of 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 soft aragonite, which normally forms as a result of long term magnetic treatment, actually prevents free oxygen within the water from attacking metallic components through which the water travels, thus preventing corrosion.

What is your product used for?

The HALO ION In-line Water Conditioner has several uses. It is primarily used in commercial applications where scale prevention is required, such as water heater pretreatment or reverse osmosis pretreatment. It is also used for residential applications where the HALO ION is desired for its taste and functional use.

What is so special about HALO ION In-line Water conditioner?

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

Why is it important to not use chemicals or sodium in treating 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 water supplies and the precious environment.

If the HALO ION does not use chemicals or sodium, what does it use?

Just water! The water is altered through a multi-stage magnetic process. There is nothing to add.

Will the water test soft after the system is installed?

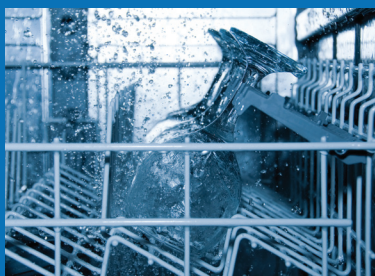
NO. Remember that the calcium is still present, but in an altered suspended state. A test for hardness in reality is a test for the presence of the minerals calcium and magnesium, which have naturally hard properties. The HALO ION In-line Water Conditioner renders them harmless.

HALO

WATER SYSTEMS



HALO FOR YOUR HAPPINESS.



HALO TO KEEP YOUR APPLIANCES RUNNING RIGHT.



HALO FOR YOUR HEALTH.



HALO TO FEEL HEAVENLY.



HALO TO KEEP YOUR FIXTURES LOOKING FABULOUS.



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