

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
- Toluidine

Disinfectants:

- Bleach
- Calcium Hypochlorite
- Chlorophenol

DPCBs (Environmental Pollutants)

Pesticides:

- Defoliants
- 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.

WHOLE HOUSE CARBON FILTER FAQs

GENERAL

What is High Activity Carbon?

High Activity Carbon is used to purify liquids and gases in a variety of applications, including municipal drinking water, food and beverage processing, odor removal, and industrial pollution control. It is most commonly produced from coconuts, nutshells, peat, and wood. The materials are heated to very high temperatures to produce highly porous carbon that has a large internal surface area, which is what makes activated carbon ideal for absorption.



What does activated carbon remove from the water?

See the list on the reverse of this sheet. The list is not exhaustive as there are too many chemicals to name, but gives a good idea of the effectiveness of activated carbon.

What does activated carbon *not* remove?

Activated carbon does not remove electrolytes and minerals which are essential to maintain great health. If you are concerned with a more thorough removal of lead, nitrates, nitrites, and fluoride, we recommend you add a reverse osmosis system onto your kitchen sink.



HALO H2 ZERO FILTERS

What media is in the tank? The Halo H2 ZERO contains High Activity Carbon (HAC) and KDF55, both outstanding materials for successfully reducing chlorine and other chemicals from water supplies. The end product is clean, fresh water with no objectionable taste or odor. You can also add a HALO ION Scale Inhibitor inside the tank to reduce scale.

How long will the filter last? Halo H2 ZERO carbon filters are expected to perform for 1,000,000 gallons (average 8-10 years). You will be able to tell when it needs replaced when the water tests positive for chlorine.

What maintenance is required? Halo H2 ZERO filters are MAINTENANCE FREE and warranted for TEN YEARS.

What is the warranty? Halo H2 ZERO has a ten year, limited lifetime warranty. See the H2 ZERO Warranty page for further details. Plus, American Vintage Home also offer a Parts & Labor Warranty for a full year after installation. All covered repairs during our 12 month warranty period will be free of charge no matter what, at no charge to you.

How big is the filter? The Halo H2 ZERO filter is approximately 14 inches in diameter and 63 inches tall.

Does the filter need to backwash? No! This means no electricity is needed for the water filter, and no water is wasted through a backwash process.

What is the flow rate? The peak flow rate is 15 gallons per minute for homes with 1 inch water line or smaller (most common). For larger water lines, we recommend sizing up to a tank with a peak flow rate of 19 gpm.

Will my water be better than bottled water? Yes. Bottled water is regulated less than tap water, so bottled water varies widely in taste, quality, and mineral content. Even the best bottled water cannot give you chlorine-free water in your shower, where you breathe and absorb volatile chemicals. Whole house carbon filter users have reported relief from dry scalp, itchy skin, rashes and other common skin problems.

How is a Halo filter better than my pitcher filter or refrigerator filter? Pitcher filters and refrigerator filters use the same basic concept as the carbon filter, but on a much smaller scale, with inferior carbon media that needs to be replaced often to remain effective. With the Halo H2 ZERO filter, you will be able to turn on your cold water tap and get superiorly filtered water immediately. No more waiting for it to drip through, no hauling pitchers in and out of the fridge, and no more replacement carbon cartridges.

Call today for a **FREE** water test!

(847) 380-1045

americanvintagehome.com/waterfilters



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