

Ozone water purification

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In use since 1906, ozone water purification accounts for the majority of purified water throughout the world by means of large-scale purification treatment. Now, the natural benefits of ozone combined with modern filtration technology are quickly making it the preferred method for household water treatment.

Master Water's MasterFusion system uses a highly efficient in-home ozone generator to provide a corona discharge method of producing ozone.

Why people are switching from chlorine to ozone systems.

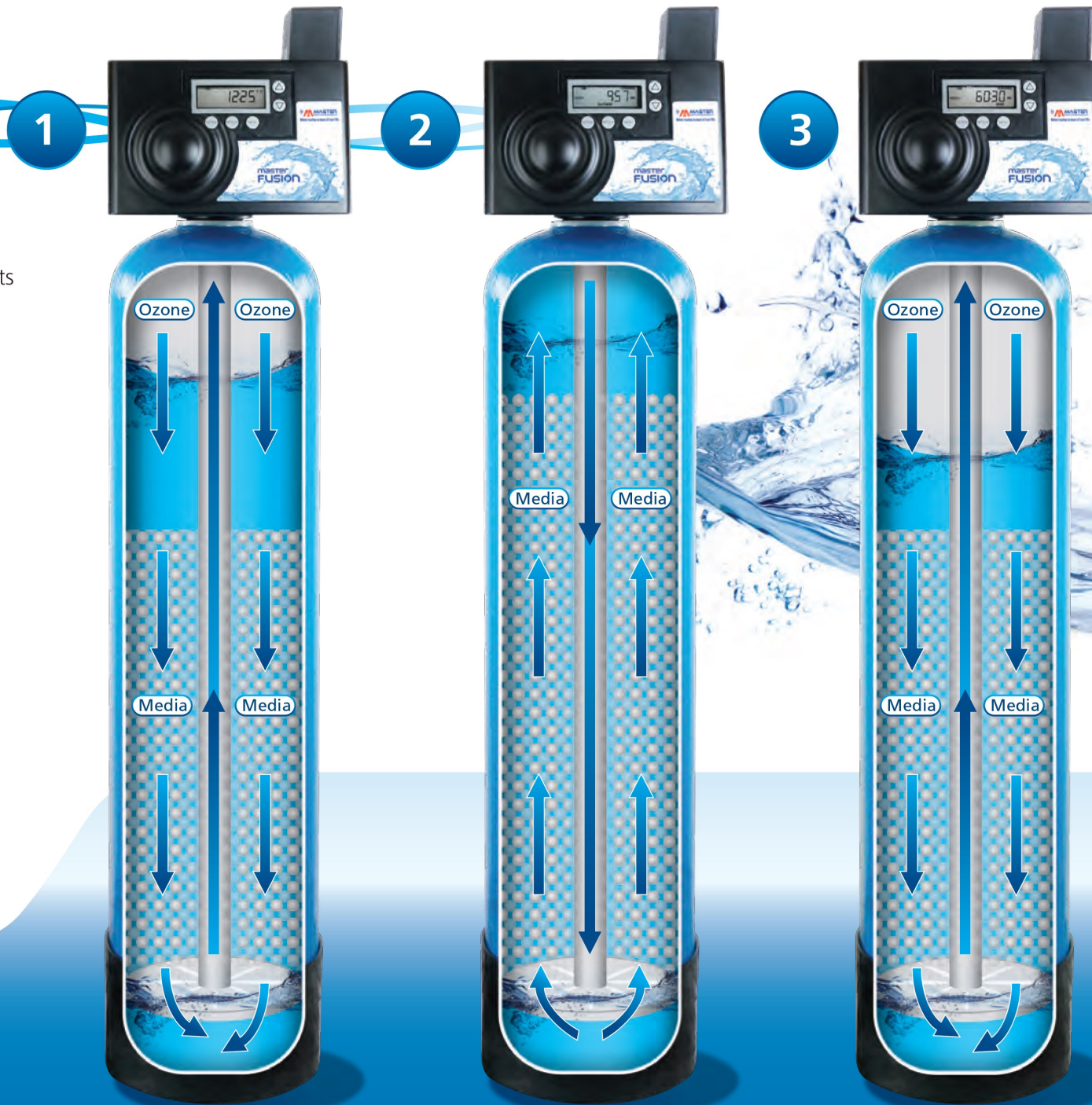
In recent years, scientists have discovered that chlorine creates harmful by-products known as THMs that are carcinogenic. The EPA is starting to impose strict standards on the level of THMs allowed in domestic water treatment plants.

Ozone is the treatment method of choice by water treatment professionals to replace chlorine, since ozone produces no THMs and is 1.5 times stronger.

Ozone is a stronger oxidant than chlorine and air and is environmentally friendly.

How Master Water's Efficient MasterFusion Ozone System Works

A MasterFusion System is a process where the formation of oxygen into ozone occurs with the use of energy. This process is carried out by an electric discharge field in a CD-type ozone generator (corona discharge), which simulates lightning, making it a greater oxidizer compared to chlorination.



Service

1. Untreated water flows into the valve inlet, travels through the ozone bubble, through the filter media, through the vortech plate, up the riser pipe, and through the valve outlet to service.

Backwash

2. Water flows into the valve inlet, down through the vortech plate, up through the media, and out the valve drain.

Ozone Recharge

3. Water flows into the valve inlet, down through the media, through the vortech plate, up the riser pipe, and out the valve drain. As water is flowing through the unit, during this cycle, the ozone generator creates ozone, which is then pushed through the unit, along with the water.

Master Water's Ozone System leaves water tasting clean and fresh.

There is no metallic taste or rotten egg odor, no organic or musty odor. The system naturally deactivates contaminants through oxidation.

- Keeps your filter clean and fresh
- Removes iron and manganese through oxidation, by forming a precipitate that can be filtered
- Reduces dissolved hydrogen sulfide in water
- Reduces iron and sulfate reducing bacteria



Master Water Ozone Systems last and are easy to live with.

Our systems are designed for easy installation and service. Designed for longevity, they feature a double layer of protection to ensure the brine elbow check valve stays properly inserted. All internals of the unit, including the entire volume of the mineral tank, get cleaned with ozone every regeneration.

- User-friendly digital display
- Low maintenance with few parts to service
- No mixing of chemicals or feed-pumps to maintain
- Safe for pipes and septic systems
- Cleanable, reusable corona cell

