

The OZO-Series: New life for your water

Oxygen is the life force of water. That's why the OZO-Series is the natural way to restore and revive the bodies of water around your home or business. The OZO-Series uses oxygen and ozone—a naturally occurring gas made up of three oxygen atoms—to treat and maintain small- and medium-sized bodies of water.

Ozone technology is a fast and effective way to disinfect water without producing harmful by-products. The OZO-Series supplies a precise mix of oxygen and ozone to the water: the new supply of oxygen makes the water cleaner and clearer, while the ozone eliminates most organic and inorganic contaminants. The process works faster and kills more pathogens than chlorine. And it's entirely natural.

Naturally clean and clear...

When you use the OZO-Series to treat your water features, you eliminate health hazards, unpleasant odors, and give the water more clarity.

The OZO-Series makes your water:

Healthy by destroying dangerous organic contaminants like bacteria—including E. coli and fecal coliforms—as well as viruses and other pathogens. The flow of oxygen creates water circulation in stagnant water, and raises the level of dissolved oxygen. This allows all living organisms to breathe easier.

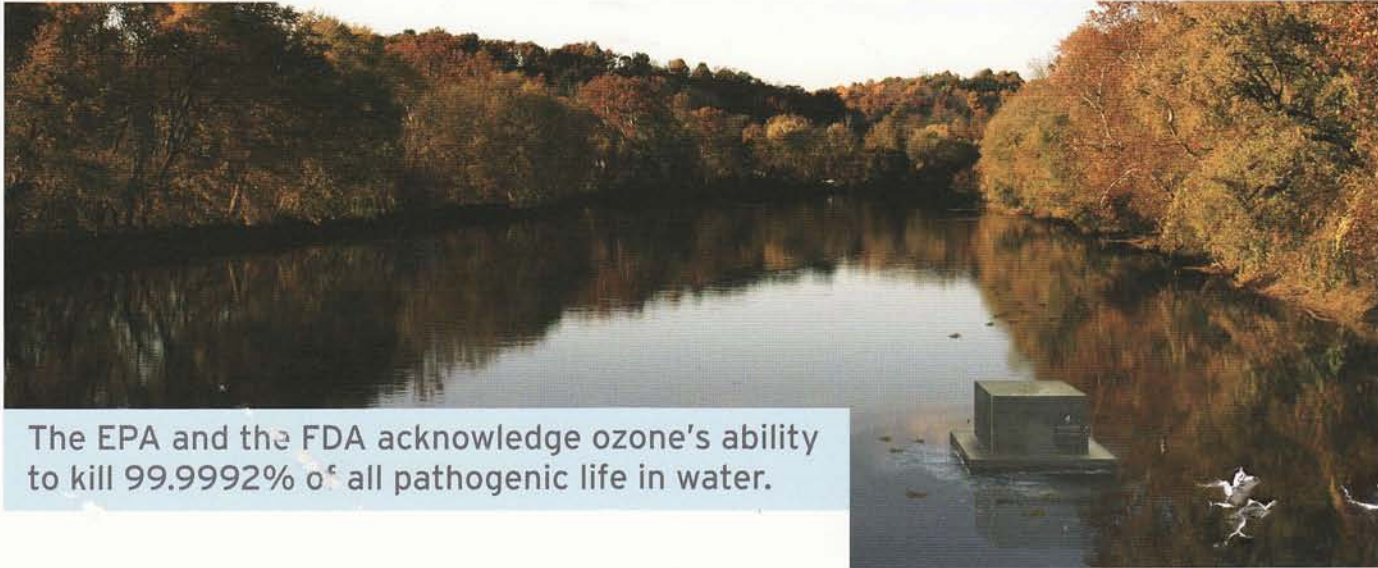
Natural because it uses naturally occurring gases instead of adding chemicals to the water. So it poses no danger to swimmers, boaters or aquatic life. It leaves no unpleasant chemical taste or smell, causes no irritation to skin, nose or ears, and leaves no chemical film on skin.

Safe since it eliminates micro-pollutants, and dramatically reduces levels of some oils and harsh chemicals—including chlorine—in your water.

Clear by controlling turbidity, eliminating algae, and helping water return to its natural color.

OZO-Series technology: A breath of fresh air for your water

The technology behind the OZO-Series water maintenance system is based on the combined oxidation treatment of water. The system produces ozone by means of a silent electrical discharge (also called a corona discharge) in an oxygen-containing gas. This results in a collision of electrons, which splits some oxygen molecules (O_2) to form ozone (O_3).



The EPA and the FDA acknowledge ozone's ability to kill 99.9992% of all pathogenic life in water.

Eliminates contaminants

Our decontamination technology is a powerful defense against dangerous micro-organisms such as pathogens, parasites, and waterborne viruses. It kills E. coli bacteria and fecal coliforms that can result from sewage spills or runoff from agricultural waste, and destroys yeasts, moulds, cysts, and mildew. Our system also oxidizes chemicals, such as pesticides, insecticides, herbicides and fungicides, and it helps to break down some heavy metals.

Controls tastes and odors

Most tastes and odors in the water supply come from organic materials, including algae and sulfur. Chlorination only leads to even stronger tastes and odors. But our ozone technology reduces most of these materials to simple, odor-free compounds.

Removes algae

The OZO-Series oxidizes and floats algae and their by-products to the top of the reservoir. It even destroys the algae that cause red tides.

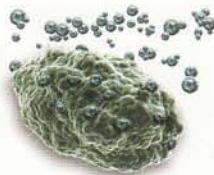
Protects better than chlorine

Chlorine and ozone are both disinfectants, but unlike chlorine, ozone is non-toxic. Our water decontamination technology also inactivates viruses in water, which chlorine cannot do. In addition, the amount of dissolved ozone produced by our system is so small that it only affects micro-biological pollutants. That means that, unlike chlorine, the OZO-Series is perfectly safe for plant and aquatic life.

The effect of ozone on bacteria



Bacteria cell



Ozone penetrating and creating holes in bacterial walls



Destruction of cell after ozone

Technical Data



Capacity

One standard OZO-Series unit can treat 750 gallons per minute, but the unit capacity can be customized and expanded to meet the needs of your body of water.

Compatibility

The following water-feature materials are completely ozone-compatible: Butyl, Chemraz, CPVC, Durachlor-51, Durlon 9000, EPDM, EPR, Ethylene-Propylene, Fluorosilicone, Galvanized Steel in Air, Glass, Hastelloy-C®, Hypalon®, Inconel, Kalrez, Kel-F® (PCTFE), PEEK, Polycarbonate, Millable Polyurethane, PTFE (Teflon®), PVDF (Kynar®), Santoprene, Silicone, Stainless Steel 316, Titanium, Vamac Viton®.

Other materials may experience slight corrosion or discoloration, or may not be recommended for use with ozone technology. Contact Aquazone for further information on using the OZO-Series with your water feature.

Installation options

The Aquazone OZO-Series is available in stainless steel or aluminum. Each unit is designed to accommodate the specific needs of the body of water that needs to be treated, and can be mounted in one of three ways:

1. Fixed installation (OZO-25 Series): Used to treat water in one specific location, this type of unit is mounted permanently beside a water body, and is completely hidden from view.
2. Floating installation (OZO-50 Series): Installed on a floating platform, this unit can be towed to different problem areas within a larger water feature. Platform measures approximately 6 ft. x 4 ft.
3. Barge installation (OZO-150 Series): This versatile model is installed on a motorized barge, and is perfect for canals, bays, and larger bodies of water.

Just Add Water

The OZO-Series is extremely versatile and powerful, and is perfectly safe for swimmers, boaters, and aquatic life. It can be used for ponds, small lakes and streams, fountains or other water features found in:

- Golf courses
- Industrial sites
- Fish farms
- Gardens
- Parks
- Any other outdoor environment!