

OZONE DISINFECTION

WATER INFUSED OZONE

Provides substantially better protection than anything else. It eliminates a multitude of pathogens, viruses, bacteria, fungus, mold, protozoa, cysts, algae and yeast infections.

WHAT IS OZONE?

Ozone is a triatomic form of oxygen in which 3 oxygen atoms are combined to form a single molecule. The third oxygen atom empowers ozone with a powerful oxidation potential which penetrates the cell wall of dangerous bacteria, viruses and other pathogens rendering them harmless.

COMPARING WATER INFUSED OZONE TO GASSEOUS OZONE

We use moderate ozone concentrations of 150 to 200 mg/hr. As ozone has a high water dissolution rate of about 90%, the level of residual ozone in the air is safe.

THERE ARE NO COMPARABLE ALTERNATIVES

HAND SANITIZERS –The CDC (Center for Disease Control) issued a report reducing the affectivity of alcohol based hand sanitizers which do not eliminate common germs such as salmonella, E-coli, and Norovirus.

CHLORINE - The EPA (U.S. Environmental Protection Agency) are closely monitoring chlorine's carcinogenic byproducts. The Lethality coefficient of Ozone compared to chlorine is 500:20 for Enteric Bacteria. That means Ozone is 25 times more powerful.

RESIDUAL CHEMISTRY – Ozone reverts to pure water after 20 minutes

HOW SAFE IS OZONE?

Healthy cells have antioxidant enzymes in their cell membranes, such as superoxide dismutase, catalase, glutathione and peroxidase. There are also antioxidants such as vitamin C and vitamin E present in the extracellular matrix fluids and plasma. These antioxidants create a protective barrier against ozone oxidation.

REAL PROTECTION

Pathogens often mutate to resist disinfection and sterilization. Due to the oxidation power of Ozone there is no mechanism for pathogens such as Norovirus, to create immunity to Ozone as with other chemical disinfectants and biocides.

Ozone is effective against MRSA

