

What's so great about ozone water purification?

Maybe you've heard of ozone for water purification, maybe you haven't. But guess what? There are some pretty compelling reasons why you should boost your awareness and understanding of one of the most highly effective natural water purification sources to hit the earth since, well, oxygen.

Ozone, while better known as part of the nasty brown layer you see when flying over Los Angeles, is actually one of nature's most powerful protectors. "Good" ozone serves as the protective layer in the upper atmosphere that protects the earth from harmful UV rays. And down here on the earth's surface, ozone is safely produced by electrical currents via ozone generators so that it can be used as a powerful non-chemical sanitizer in water purification applications ranging from aquariums, water parks, and public pools to hot tubs, commercial laundry, and bottled water.

Why do so many critical water purification applications rely on ozone?

Here are some pretty compelling reasons:

- Ozone (O₃) is a gas derived from oxygen which can be readily dissolved in water
- Ozone is a powerful antimicrobial oxidizer and sanitizer
- Ozone dissolved in water (aqueous ozone) has no odor
- Aqueous ozone is an effective micro-flocculant
- Aqueous ozone is an effective antimicrobial agent
- Ozone can replace or greatly reduce the need for traditional chemicals

Ozone is Trusted where Clean is Critical

Ozone for water purification is not new. It's been used for decades by the bottled water industry to purify the water we drink. It's also widely relied upon by the spa and hot tub industry to maintain clean water in an environment that's ripe for all sorts of contaminants. (Most spas have an ozonator built in.) Ever been to the Beijing Aquarium? They use ozone to keep the water safe and clean for their animals. Baltimore Aquarium and the San Diego Zoo do the same. Atlantis Paradise Island in the Bahamas relies on ozone to keep their water park clean. So does Mandalay Bay in Las Vegas. And the YMCA uses ozone for their pool water in several locations. Even the pool at McDonogh School in Baltimore, MD relies on ozone. The list of current ozone applications is long.

Ozone for Commercial Pool Water Purification

In commercial pools, ozone has earned the acceptance of the Centers for Disease Control as a supplemental sanitizing agent used in combination with chlorine. Ozone injected into pool water offers incredible public health benefits as it fights recreational water illnesses and greatly reduces the level of chloramines (which are attributed to causing swimmer's asthma, lifeguard lung, and other problems) in the water.



Ozone for Commercial Laundry Operations

Ozone is used in commercial on-premise laundry operations to reduce the amount of detergent and hot water that is needed to maintain clean laundry. Ozone's powerful sanitation enables operators to reduce their expenses while delivering the linen outcomes their customers expect.

[Ozone for Spa Water Purification](#)

Ozone generators are built into nearly every spa and hot tub that has been manufactured over the past two decades. Spa ozone generators play a critical role in maintaining crystal clear water, with fewer chemicals.

[Ozone for Residential Pool Water Purification](#)

Residential pool owners increasingly seek non-chemical alternatives to traditional chlorine-only water sanitation. Ozone outperforms salt water purification by creating pure water without damage to equipment and surrounding hardscape. The oxidizing power of ozone is unmatched by competing technologies.

[Ozone for Above Ground Pool Water Purification](#)

Ozone is even being used in above ground pools. Automatic easy-to-install systems are available to bring the sanitizing power of ozone to above ground pool applications, enabling pool owners to maintain clean pool water with fewer chemicals and much less effort.

Clearly, ozone presents a compelling case for just about any application where clean is critical. Safe, natural, and effective, ozone provides necessary sanitation for many commercial, industrial, and residential uses. Visit www.delozone.com to learn more about the many uses of ozone for water purification.