



Pharmaceutical

Ozone is an extremely powerful and effective sanitizer increasingly used by pharmaceutical companies because it quickly kills bacteria and leaves no residual or by-products after the disinfection process. The properties of dissolved ozone gas are unique and may be somewhat unfamiliar to people who normally deal with temperature or liquid chemical sanitation methods.

Ozone is different than most sanitizers because it is a gas and remains a dissolved gas during the sanitization process for water systems. Dissolving ozone into water makes for a very potent antimicrobial solution, which can then be used as a sanitizing agent. Ozone is extremely fast at eliminating microbiological activity in the water at relatively low doses and has the advantage of being able to reach every part of the water system before being easily removed.

Unlike chemicals, which must be rinsed out with excessive amounts of water and require hazardous chemical disposal, there is no "handling" required of ozone. The ability to operate at room temperature eliminates the need for expensive and complex heating systems and heat tracing on pipes that can be expensive to maintain and difficult to work around. The use of ozone for sanitation can offer increased product quality and lower the risk of water-borne contaminants.

OWS OFFERS:

- Service
- Rental Equipment
- Monitor Calibrations
- Uniform Fire Code Compliance
- Parts Support
- Sales
- Pilot Systems
- Refurbished Equipment
- In-house Repairs
- Custom System Design
- Years of Experience

OZONE ADVANTAGES

- Oxidation/disinfection causes a strong sterilization effect
- Self-decomposition produces no residue
- Can be detected by smell, even at very low concentration
- Any residual easily removed by exposure to UV light or by degasification
- An antistatic agent loosening particulates from vessel walls
- Reduces THM, TOC and endotoxin

