

WASTEWATER TREATMENT

Inactivate pathogen bacteria,
viruses, parasites and remove the
micro-pollutants at a lower cost



A PROVEN, COST-EFFECTIVE SOLUTION FOR WASTEWATER DISINFECTION.

Ozone helps destroy harmful substances, colors, odors, and microorganisms directly without harmful by-products or the creation of residue. Ozone will also help remove tensides, phenols, cyanides, and discolorations from wastewater. Dissolved Ozone Flotation (DOF) is a new advancement that makes Dissolved Air Flotation (DAF) and Dissolved Gas Flotation (DGF) systems more efficient for wastewater treatment.

Ozone Solutions' systems are ideal for a wide array of industries including pharmaceuticals, textiles, automotive, and many others. The benefits of ozone combined with Ozone Solutions industry-leading technology and service provide you a powerful choice for wastewater disinfection including treatment of complex industrial waste.

OZONE SOLUTIONS' WASTEWATER TREATMENT PRODUCTS.

PRODUCTS

○ Waterzone Series



○ Waterzone SE Series



○ Waterzone IS Series



BENEFITS OF OZONE DISINFECTION:

BENEFITS

- More effective than chlorine in destroying viruses and bacteria
- Utilizes a short contact time
- No harmful residuals that need to be removed after ozonation because ozone decomposes rapidly
- No regrowth of microorganisms, except for those protected by the particulates in the wastewater stream
- Generated onsite, and thus, there are fewer safety problems associated with shipping and handling
- Elevates the dissolved oxygen (DO) concentration of the effluent
- Can eliminate the need for reaeration and also raise the level of DO in the receiving stream
- Clean, safe, and reliable, taking up less space, and less equipment than many chemical treatment/storage systems
- Saves money by eliminating on-going chemical costs
- Destroys all bacteria without a preference to one type of organism. Ozone will also remove some BOD, COD, and many other contaminants in the wastewater stream.
- Filtration will not be necessary after ozone disinfection
- Fewer secondary by-products like trihalomethones (THM) are formed with the use of ozone
 - Ozone is most effective, however, by either eliminating or significantly reducing precursors in the raw water responsible for THM formation.
- Oxidation of odor causing compounds in the water may also be a secondary effect of ozone use in wastewater
- Odor control may be completed during the disinfection process
- Micro-pollutant removal and eliminates the need to add processes in the treatment stream with future regulations



I was very pleased with your innovations; I think that you did a good job making the machine Florida-heat tolerant. I like the layout of the internal components much better than other systems I've used. There is room to work and room to cool. The compressor arrangement is just how I envisioned it and wanted it. Thank you.

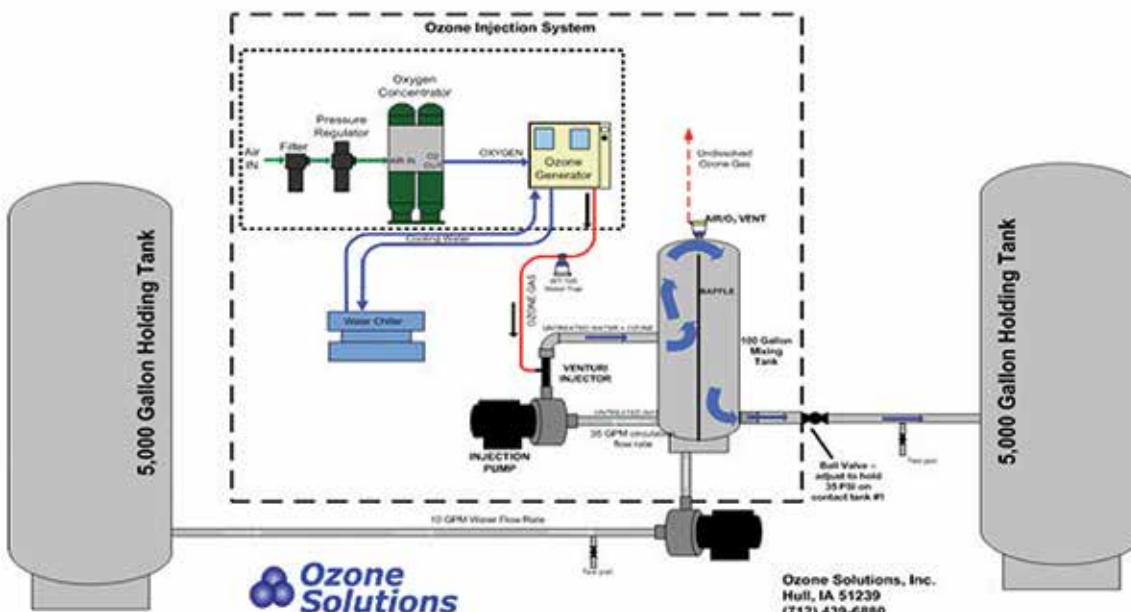
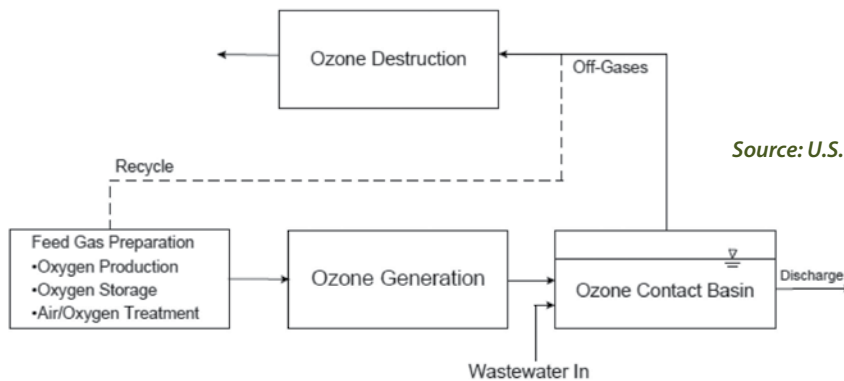


– Ron Sanzi • Orlando, FL

OVERVIEW OF OZONE PROCESS.

Generated ozone is injected into the wastewater tank/basin. The contact tank provides enough time for ozone to react with wastewater and convert the chemicals in the wastewater. BOD, COD, TDS, TOC, TSS, phenol,

color, and sulfur compounds will be reduced by ozone. After the ozone is injected and reacts, it will be converted into oxygen, which will increase the oxygen level of the wastewater and enhances wastewater treatment.



PROCESS



ABOUT OZONE SOLUTIONS

Ozone Solutions Inc., founded in 1997, is a full-service provider of cost-effective and environmentally friendly ozone technology. Our products and services are internationally present in many different applications. We are reaching out to our customers through our global network of distributors as well as our regional sales representatives in North America. Today, Ozone Solutions Inc. is moving forward in company and product development, in order to become the most trusted and innovative supplier of ozone technology.

OZONE SOLUTIONS ADVANTAGES

- Complete project oversight from concept through ongoing usage
- Excellent customer service
- Industry leader in service support
- Research & Development lab
- Customized solutions
- Replacement parts availability
- Customer system operation and maintenance training
- Reliable products for many applications
- Ozone monitors and detection equipment available

APPLICATIONS

- Air Treatment & Odor Control
- Aquaculture & Zoos
- Biofuel
- Bottled Water
- CIP (Clean in Place)
- Cooling Tower
- Dairy
- Drinking Water Treatment
- Food Processing & Storage
- Grain & Feed Remediation
- Groundwater & Soil Remediation
- HVAC
- Laundry
- Livestock
- Medical
- Pharmaceutical
- Pools, Waterpark, & Spas
- Pulp & Paper Bleaching
- Semiconductor Production
- Wastewater Treatment
- Wine & Beer

CONTACT US FOR MORE INFORMATION

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