

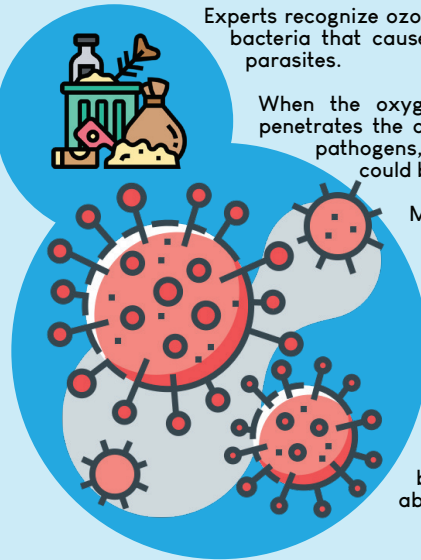


SAFE & EFFECTIVE

OZONE FOR ODOR PATHOGENS & PESTS

Ozone is a molecule composed of three atoms of oxygen. Two atoms of oxygen form the basic oxygen molecule--the oxygen we breathe that is essential to life. The third oxygen atom can detach from the ozone molecule, and re-attach to molecules of other substances, thereby altering their chemical composition. It is this ability to react with other substances that forms the basis for how it eliminates odors, kills pathogens and repels pests. In ozone generators, O³ is produced one of two ways, through corona discharge or exposure to UV light. Glacier Ozone uses UV light, while our competitors mainly use corona discharge. Ozone will mitigate about 60% to 80% of your compactor odor depending on the size and make up of your waste mix.

01 Odor, Pathogen, Virus, Germ Killer



Experts recognize ozone as “a potent antimicrobial agent” that not only kills bacteria that causes odor, but also eradicates fungi, viruses and even parasites.

When the oxygen molecule attaches to an organic compound it penetrates the cell and kills the organism. It kills odor mold, mildew, pathogens, and mitigates and minimizes spreadable disease that could be lurking in a trash container or on expended PPE.

Many respiratory, skin, gastrointestinal ailments and diseases can be the result of items found in trash such as: Tuberculosis, Listeria, Thrush, E-Coli, Corona virus, Salmonella, Strep, and Staph.

Ozone can reach many of these pathogens within textiles, on surfaces, in liquid solution and on the containers themselves. By treating the area or container with a blanket of ozone, the dangerous pathogens are minimized & eliminated.

Mold and mildew, which also create odor are attacked by ozone so the reduction of both smell and spores are abated.

02 Pests & Their Offspring



Rats, mice, squirrels, birds, raccoons, skunks, mosquitoes, flies, roaches, scorpions, gnats, and spiders are all repelled by ozone and it will kill some species.

Insects like roaches and ants use trails to find their way. Ozone oxidizes those trails, thereby confusing the pests and sending them on their way.

Since the environment is hostile to them, they tend not to lay eggs or breed in place. Maggots, larva and grubs will struggle to survive.

03 Spray & Scoop Deodorants



Sprays and Scoop deodorants are only a cover for odors; never really addressing the source of smell. They are expensive and require a lot of service.

Slip hazards and health hazards are created by the atomization of sprays and pellet scoops are a deadly temptation for friendly animals like birds and pets.

04 Comparison to Competition

The fact is, our competitor’s failures inspired a new way to approach ozone. Sonozaire was a brand our technicians often ran into when servicing waste equipment. However, our techs found these units to be bulky, hard to install and maintain and in constant need of repair. It took 2 people to install it and because they use Corona Discharge as their method of creating O³, when it came in contact with their aluminum cases, it created Nitric Acid which is very corrosive. It took a long time to soak the parts to clean them and replacements were expensive. They were also very difficult to determine the right size for the projects.

Glacier designed a better generator. We used stainless steel, easy to replace filters, a reliable fan and we used UV light to create O³. This added a sanitizing effect. We made it modular so you don’t have to buy a whole new ballast when odor seasonally changes or waste volumes increased - just add a bulb. This makes sizing much easier and less expensive. The mounting options are infinitely easier and abundant.

	GLACIER OZONE	SONOZAIRE
Method of ozone	UV Light and charge	Corona Discharge
Ability to sanitize	UV is natural sanitizer	Ozone only
Size of units	Portable, 1 Man install	Bulky, 2 man install
Ease of use	Simple 110V plug & Play	Requires mounting
Casing	Stainless top, steel housing	Aluminum casing
Ease of Service	Simple swap outs - Easy	Requires cleaning - Difficult

05 Glacier Models & Uses

GO-1LA
One UV Lamp: Compact, portable version of the full size with a carrying handle. Consult Glacier as a room odor management system to blast odors from unoccupied areas such as cars and homes. Can’t be used as an “air purifying” system for consumer use in California. Must be sold with a timer

GO-2LA
Two UV Lamps: Best suited for smaller areas such as trash chutes, and trash rooms. Recommended for APT 2 Yard and 3 Yard FEL trash room applications and 10 to 15 Yard Self-Contained Compactors

GO-3LA
Three UV Lamps: Considered the industry standard. Powerful enough for outdoor use. Suitable for trash compactors, larger rooms, and strong, stubborn odors such as smoke and compost. Recommended for 20 to 25 Yard Self-Contained Compactors.

GO-3LA+
Three UV Lamps + Extra Ballast: This versatile model comes with three lamps and can easily be upgraded to four by the user. Recommended for outdoor applications that may require an extra dose of ozone such as food waste in 20 to 30 Yard Self-Contained Compactors and Trash in 30 Yard Self-Contained Compactors. Perfect for seasonal “spikes”.

GO-4LA
Four UV Lamps: Our four lamp ozone Generator is so strong it is recommended for special applications only. Please consult a Glacier representative to see if this application is best for your situation. For outdoor use only.

GO-5LA
Five UV Lamps: This supercharged Ozone Generator is the strongest of its type on the market. Available by manufacturer recommendation only. For outdoor use only.

Ozone Safety

Ozone is like anything in nature, exposure to it should be limited by time and health considerations should always be assessed.

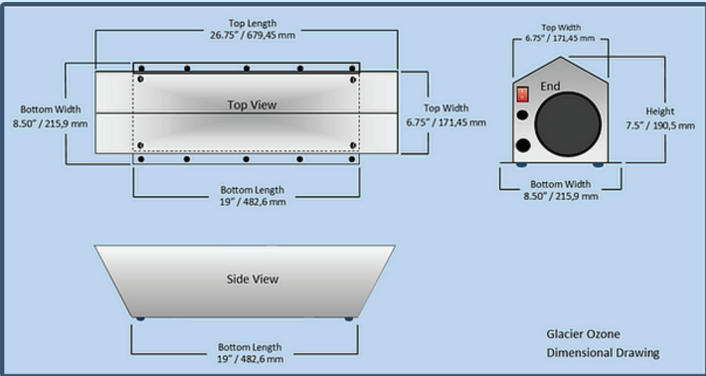


All models should be used either in a container like a trash compactor or in a non-occupied area and either timed or sensor limited. Additionally it can be timed to run at off-hours when the ozone can be generated without people or pets around.

For models GO-1LA thru GO-3LA passing through an area is safe. One should not occupy the area for more than a few minutes. This makes these models useful for trash rooms.

Ozone is an oxidizer and seeks to bond with organic matter so petroleum based products like seals or rubber “o-rings” should not be directly exposed to ozone continuously or for long periods of time.

Ozone dissipates into regular oxygen when it does not find an organic compound to link to in 20 minutes so nothing harmful is left behind.



* ASK ABOUT OUR POLE MOUNT

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