

# OZONE ODOR CONTROL

THE OZONE ODOR CONTROL SYSTEM CREATES A MORE PLEASANT WORK ENVIRONMENT BY ELIMINATING ALL ODORS FROM THE COMPACTOR AND SURROUNDING AREAS. THE ODOR CONTROL SYSTEM SIGNIFICANTLY REDUCES BACTERIA GROWTH, ELIMINATES ODOR FROM GARBAGE IN THE COMPACTOR, PREVENTS FERMENTATION, AND DESTROYS ODORS THAT ATTRACT PESTS AND RODENTS.

## DEODORANT SYSTEMS SIMPLY MASK ODORS, BUT THE OZONE SYSTEM ACTUALLY DESTROYS BOTH ODORS AND THE BACTERIA RESPONSIBLE FOR CREATING THOSE ODORS.

### **What is Ozone?**

Ozone is a form of oxygen that contains three oxygen atoms instead of two. It is slightly heavier than air, and at low concentrations smells slightly sweet, but at higher concentrations has a pungent aroma. Ozone is molecularly unstable and reacts quickly to revert to a more stable form of two oxygen atoms.

### **How is Ozone formed?**

Nature forms ozone every day through thunderstorms. When lightning strikes, ozone is formed by the high voltage arcs that ionize the air. After a storm, the air smells fresh because the ozone created by the lightning has removed the impurities in the air. After the storm because ozone removes many of the impurities that are in the air.

### **How is Ozone manufactured?**

Ozone, due to its instability, has a very short life-span. This means ozone naturally returns to its original form of oxygen. Ozone must be produced when, and where it is needed. The most popular method of producing ozone is by "corona discharge," which simply means generating a high voltage electrical field and passing air through it. Passing air through the corona converts approximately 1-2% of the oxygen into ozone. We use the corona discharge method to manufacture ozone.

### **How does it eliminate odors?**

Offensive trash odor in a refuse storage or pickup area can be a negative reflection on your business or facility. In addition to the impact on the community, the odor creates an unpleasant work environment for employees and causes complaints from neighboring businesses and residents. Such complaints may result in violations and fines from the local health department. Most importantly, the odor can attract unwanted pests.

The ozone generating unit electronically eliminates all odors from the compactor and disposal areas for a more pleasant environment. The Ozone odor control system significantly reduces bacteria growth, eliminates garbage odor, prevents fermentation and destroys pest-attracting odors.

### **Maintenance**

Routine maintenance consists of cleaning the air filter, cleaning the cabinet interior, cleaning of electrodes and glass, and oiling the blower motor. All of these tasks can be performed by almost anyone with a few simple instructions. The unit can be cleaned in the shop or on the job site. Cleaning supplies consist of clean water, glass cleaner, abrasive cleaner, abrasive brush, cleaning cloths or pads, and twenty-weight oil.