

## **Ozone Fact Sheet**

### **What is ozone?**

Ozone (O<sub>3</sub>) is a form of oxygen (O<sub>2</sub>) that contains three 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.

### **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 involves 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. Sonozaire uses the corona discharge method to manufacture ozone.

**How do Sonozaire units remove odors?** Sonozaire models are industrial ozone generators that are capable of high levels of ozone. These units do not use any chemicals, operate unattended, and need only occasional cleaning and maintenance. They contain electrical and electronic components to generate ozone, using only small amounts of electricity. Ozone output is 100% adjustable to match the odor levels. They are ideal for applications that need high ozone levels to remove malodorous situations such as garbage, fire and smoke, sewage, animals, decaying organic matter, chemicals, etc. Sonozaire units destroy odors, retard bacterial growth and slime production, and circulate the ozone allowing it to destroy the odor molecules