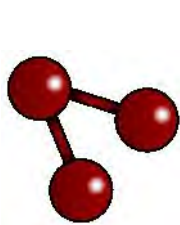


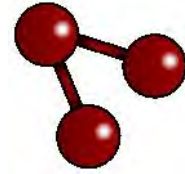
SONOZAIRE[®] Odor Neutralizer



Destroys

Odor

Molecules



Sonozaire Odor Neutralizers are industrial ozone generators for odor control and air purification. Howe-Baker and our distributors have served the odor control business with the Sonozaire models since 1979. We stand ready to meet your needs.

Uses No Chemicals

Ozone Reverts Back to Oxygen

Operates Unattended

Eliminates Odor Electronically

Heavy-Duty Construction

Quick and Easy to Install

Retards Bacterial Growth

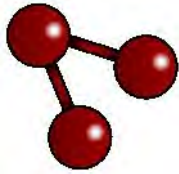
Rapid Removal of Odors

CB&I Howe-Baker Sonozaire Division 3102 E Fifth St, Tyler, TX 75701
w(800) 323-2115 wfax (903) 581-6178
wEmail: sonozaire@cbi.com wWebsite: www.sonozaire.com



Ozone

Sonozaire® Odor Neutralizer



What is Ozone?

Ozone (O₃) is a form of oxygen (O₂) 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 formed?

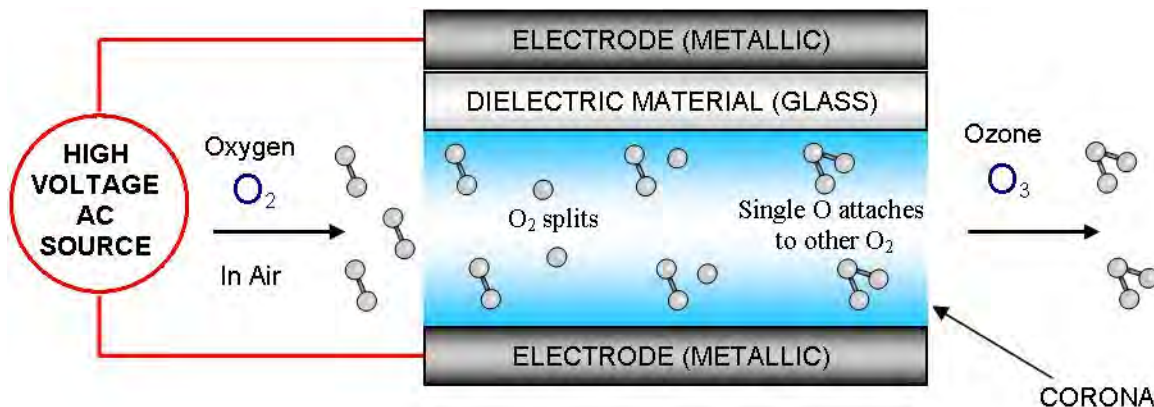
Nature forms ozone every day in a method that is very familiar - thunderstorms. When lightning occurs, ozone is formed by the high voltage arcs that ionize the air. The air is freshened after the storm because ozone removes many of the impurities that are in the air.



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. Sonozaire uses the corona discharge method to manufacture ozone.

Typical Configuration of Corona Discharge Ozone Generation Cell



How are the Sonozaire units used to 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. Sonozaire units are built of heavy-duty aluminum construction. 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. Industrial ozone generators are designed to be used in uninhabited areas, or used at volumes that are limited by OSHA or EPA regulations.

Options

Sonozaire® Odor Neutralizer



Model 630A shown with weather-proof cover over controls, flexible hose, Y outlet, flanges, and hose clamps.

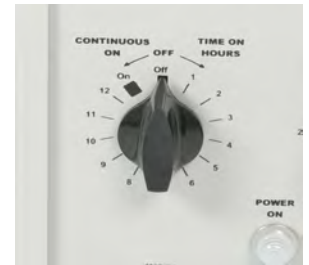
Weatherproofing and Connections:

Weatherproofing: Used in outdoor applications. Involves several additional steps during manufacturing, including a control cover and filter screen, to provide water resistance.

Connections: Used in applications where ozone is injected into an enclosed area. Hardware available includes flexible PVC hose, 90 degree elbows, Y outlets, flanges, hose clamps, and detailer's nozzles.

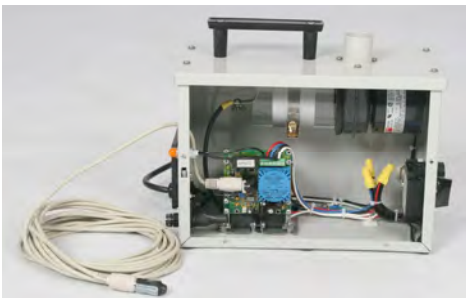


12-Hour Timer: Optional for all models. Times up to 12 hours and has continuous on feature.



Ozone Sensors:

- Used to regulate ozone production to a breathable level.



SOEM-1 Sensors

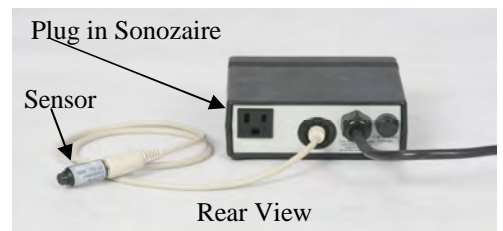
Installed inside the ozone machine when ordered. Adjustable settings from 0.03ppm to 0.10ppm. Extended Sensor Cords (3, 6, 12, 25ft) available to extend the sensor to a specific location in a room.



Front View

SONO₃SENSOR SS1

Ozone sensor that can be used to switch on/off any model. Simply plug it into the wall outlet and plug a Sonozaire into the rear of the SONO₃SENSOR.



Plug in Sonozaire

Sensor

Rear View

Additional Options:

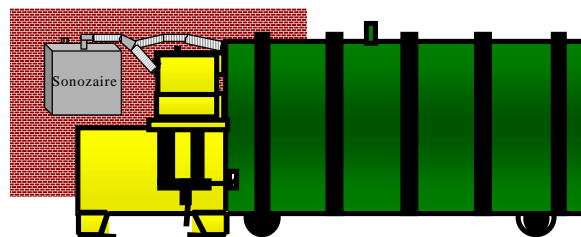
- Portable Ozone Monitors
- 220-240V 50hz and 60hz available on all Sonozaire Models.
- High Performance Transformers available for models 115A, 330A, and 630A, to increase ozone output, and operate in high temperature locations.

Applications

Sonozaire® Odor Neutralizer

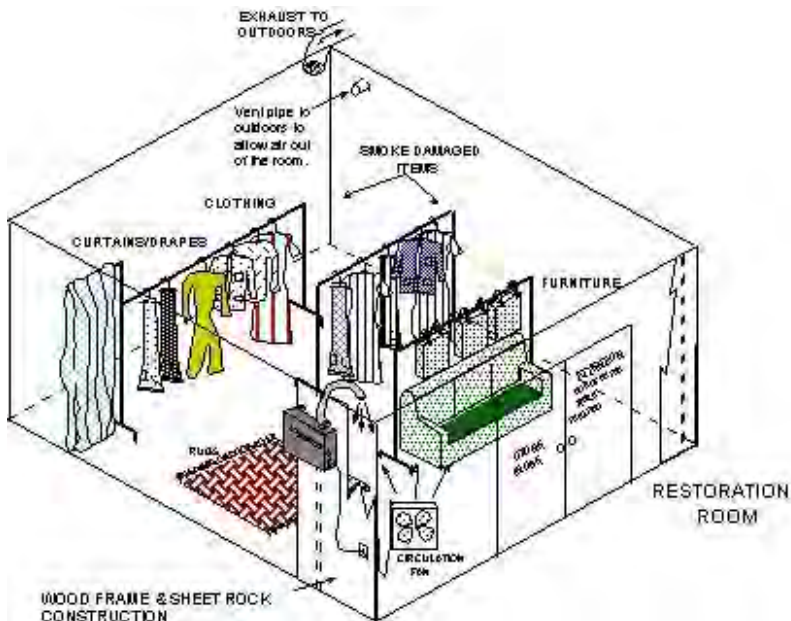
Garbage Compactors and Rooms

Sonozaire is the waste industry's solution to odor control for compactors and containers. Odors are not "perfumed" - they are destroyed!



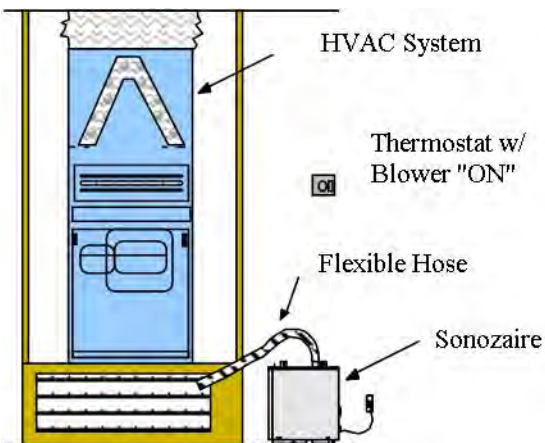
Dry Cleaning, Restoration and Carpet Cleaning

Restoration Rooms are used to remove odors caused by fires, floods, or other disasters, from clothing, furniture, drapes, rugs, etc. Sonozaire is used to remove the odors from smoke, mold, mildew, chemicals, etc. associated with disasters. Ozone can be used to treat odors throughout the damaged area, including air conditioning ducts. Ozone removes odors deeply embedded in the carpet.



Detailing

Sonozaire's are used to completely remove odors from used cars, rentals, buses, trucks, limousines, boats, planes, etc., caused by tobacco smoke, mildew, pets, spoiled food, chemicals, etc.



Air Quality in Large Areas

Air quality can be improved using Sonozaire Odor Neutralizers. They can be installed to cleanse the air of impurities and staleness, and eliminate tobacco smoke, process odors, etc. They can be installed with ozone or VOC monitors to control the level of ozone, or level of odors.

Cleaning Management

Ozone is used to destroy odors in offices, homes, restrooms and locker-rooms. It can also be used in buildings, hotel/motel rooms, rental property, apartments, condos and real estate. Sonozaire produces ozone to eliminate odors of tobacco, animals, mold, mildew, paint, etc.

Models

Sonozaire® Odor Neutralizer

Sonozaire Odor Neutralizers produce ozone electronically from oxygen in the air. Ozone is an activated form of oxygen that oxidizes odor molecules and reduces them to odorless compounds. They are used in numerous applications to control and destroy organic odors. All Sonozaire models have an adjustable ozone output level to allow maximum output for short treatments, lower levels for longer treatments or continuous use. These models are designed for use in uninhabited locations, unless used with control methods to limit the ozone level to OSHA or EPA limits. Please contact us for applications and selections in other cases to meet your requirements. Use the chart below to select the Sonozaire Model that fits your needs. For distributor locations or more technical information, please contact us by phone, fax or e-mail.

Sonozaire Models

105A



115A



330A



630A



Optional equipment to enhance the Sonozaire, such as 220V conversions, weatherproofing, flexible hose, flanges, "Y" outlets, elbows, clamps, wall hanger kits, timers, ozone sensors and others are available.

Applications	Measure	105A	115A	330A	630A
Compactor/Container	(cu yards)	0 to 4	4 to 8	8 to 30	30 to 50
approx volume	(cu meters)	0 to 3	0 to 6	6 to 23	23 to 38
Restoration Chamber	(cu feet)	800	1,700	7,500	15,000
approx volume	(cu meters)	23	48	210	420
On Site Restoration	(cu feet)	1,000 to 5,000	2,500 to 15,000	6,000 to 150,000	15,000 to 750,000
approx volume	(cu meters)	28 to 142	70 to 425	170 to 4,250	425 to 21,240
Cabinet					
Approx Dimensions	(LxHxD)	13x11x7	22x20x7.5	24x27x14	36x27x14
	(LxHxDcm)	33x28x17	56x51x19	61x69x36	91x69x36
Weight	(lbs)	9	32	58	85
	(kg)	4	14.5	26.3	38.6
Equipment Specifications					
Electrical Power	(watts)	40	70	125	260
Blower Air Volume@ 0" SP					
at 60hz	(cfm)	16	60	60	100
at 50hz	(cu m hr)	13	86	86	141
Equipment is designed for 115 volt, 50/60 hz, 1 ph (Optional 220-240 volt, 50/60 hz, 1 ph) AC. Sonozaire Odor Neutralizers are industrial ozone generators designed to be utilized in uninhabited areas or in volumes limited by OSHA regulations.					

Other Typical Applications

Auto Detailing	Hotel/Motel	Residential (Home Use)
105A or 115A	105A	105A



Destroying Odors

Sonozaire® Odor Neutralizer



Uses:

- Fire/Smoke, Disaster Restoration, Carpet Cleaning
- Garbage Compactors and Garbage Rooms
- Bacteria, Mildew, Germs
- Tobacco Odors
- Pet/Animal Odors
- Dry Cleaning and Restoration
- Air Quality in Large Areas
- Detailing, Used Cars, Trucks, Rentals, Buses, etc
- Hotel/Motels, Apartments, Condos, Rental Property, Real Estate
- Offices, Homes, Buildings
- Restaurants, Bars, Food Storage, Meat Lockers
- Restrooms, Locker-rooms
- Sewage Plants, Rendering Plants, Processing Plants, etc.
- Almost any organic odor

***"Destroying odors and complaints
... since 1979"***