## How Ozone is Produced Naturally

Despite ozone's "discovery" in 1840, little is known or written about this mystery gas. Let's start with natural ozone in the atmosphere. The "ozonesphere" is a protective layer of ozone 6 to 30 miles above the earth's surface that contains approximately 10 ppm (parts per million) of ozone. This layer of ozone protects the earth's surface from harmful ultraviolet (UV) light radiation and prevents heat loss. The layer is created by the sun's UV waves bombarding oxygen ($O_2$) molecules. This bombardment causes an oxygen molecule to split, allowing the "stray" oxygen atom to attach itself to another oxygen molecule, thus forming ozone, or $O_3$. The third atom is loosely held to the new ozone molecule which gives it a 20 to 100 minutes half-life. (Every 20 to 100 minutes, one-half reverts to $O_2$, or oxygen).

Nature produces ozone in other ways, too. The electrical discharge of lightning creates ozone, which is why the air smells so fresh and clean after a thunderstorm. The ozone has oxidized the pollutants in the air. Many people even hang their laundry out to dry after a thunderstorm to capture the fresh scent.

## How Ozone Purifies

One of the major benefits of ozone is its tremendous ability to oxidize substances. It is thousands of times faster than chlorine and disinfects three to four times more efficiently. Yet like most things in nature, there is danger in excess.

Ozone's third atom, the loosely held or "unstable" atom, has a strong tendency to break away and attach itself to other substances. While the original ozone molecule reverts back to $O_2$, the loose molecule attaches itself to a new host substance and oxidizes it. It sounds like the perfect scenario for air pollution cleanup. The problem is ozone wants to oxidize everything. Accordingly, excessive exposure can irritate people's lungs, eyes and skin.

Just as fire oxidizes organic matter and changes one substance to another substance, ozone will destroy a molecule through oxidation. Certainly, there is no doubt concerning its ability to oxidize organic substances, sterilize air, and destroy toxic fumes, bacteria, algae, fungus, mildew, mold, and odor. The use of ozone to purify air is effective when done properly.

## How *RGF* Produces Ozone for Air Treatment

Decades ago, scientists discovered how to artificially produce ozone through electrical discharge. The method has been used in Europe for water purification since the early 1900's and has been rapidly gaining popularity in municipal water plants in the United States.

In the 1970's, an inexpensive and reliable method of making ozone was discovered utilizing a specific wave of UV light. Ozone generated from UV light is just as effective as ozone produced from electrical discharge, or naturally occurring ozone. This production method is preferred for many applications based on cost, reliability, maintenance, and quantity.

Industries have been using ozone successfully for many years in a wide range of applications, including food processing and preservation, smoke stack emission control, odor control, smoke damage restoration, beverage processing, swimming pools, algae removal in ponds, and spa purification. In recent years, ozone's benefits also have been realized in the wastewater treatment business.

RGF started experimenting with ozone in 1985 and cautiously started using the RGF TurboHydrozone® in their wastewater treatment systems in 1987. The TurboHydrozone® was a great success and drastically improved our wastewater system performance. In 1989, RGF modified the TurboHydrozone® from a water system to an air system. Again, the results were outstanding. We were well aware of the capabilities of ozone in both water and air before 1986. The problem was the production method. The primary method used was electrical discharge method or corona discharge, which basically relied on air/oxygen passing over two electrodes creating an arc. For our air treatment needs, this method was too large, expensive and required dried air and maintenance. In addition, electrical discharge systems create nitric acid when used in a humid atmosphere, which greatly increases maintenance and reduces the life of the units.

Ultraviolet light has been used since the early 1970's to produce ozone. RGF started using the UV light method in 1987. This method has proven to produce substantial amounts of very economical ozone with no maintenance for up to 10,000 hours! Through continuous R & D efforts, RGF has more than doubled the ozone output of the ultraviolet ozone method by focusing on lamp construction and developing a high frequency electronic ballast which utilizes a zero crossover technique which drastically reduces energy consumption and operating fatigue on the ozone lamps.

## The *RGF* Residential Ozone Air Purification Plan

The *RGF* Residential Ozone Air Purification Plan utilizes a "passive" ozonation level at or below the Federal goverment recommended level of 0.04 ppm for occupied areas. The *Pure Air by RGF*® line of ozone air purifers has been designed not to exceed the legal levels for occupied spaces while providing adequate airborne purification with several different models capable of various sized treatment capacities.

The *Pure Air by RGF*® systems have demonstrated in lab tests greater than 90% reductions of airborne microbials while staying within the legal limit of 0.04 ppm. Air contaminates can be controlled utilizing a safe low level of ozone.

The popularity of the *Pure Air by RGF*® systems is unprecedented - The *Pure Air 2500 by RGF*® was recently featured in the February 1998 issue of Popular Science being credited as the only system meeting federal guidelines, and an indepth three part newscast series was broadcast on FOX 29.

## The *RGF* Commercial Ozone Air Treatment Plan

The RGF Commercial Air Treatment Plan is to utilize a total program of training with particular emphasis on safety. The RGF plan is to evacuate the area to be odorized, ozonate the area with a sufficient dose to destroy all the odor causing molecules (usually 1 ppm), and ventilate the area before reoccupying. RGF offers a complete air treatment plan which includes a training course, testing, and certification.

Ozone produced by Corona Discharge (CD) has a higher concentration by weight than ozone produced by Ultraviolet Light (UV). However, air treatment usually requires large volumes of low ozone concentration (1-2 ppm) to effectively treat air.

CD produced ozone requires extra energy and effort to compress, dry, produce, and then dilute the produced ozone. In comparison, UV produced ozone needs no air pretreatment and is produced at the ideal concentrations to be used to destroy airborne odors and VOC's. Accordingly, UV ozone generators are preferred for ozone air treatment.

## Applications

The **Turbozone® Ozone Air Treatment Systems** can destroy by oxidation the following airborne substances:

- Smoke
- Mold
- Mildew
- Bacteria
- VOC's
- Algae
- Yeast
- Urine
- Fungus
- Odors
- Pollen
- Hydrocarbons
- Hydrogen Sulfide
- Ammonia
- Ketones
- ODS

### ***Air Treatment Sizing Formula***

Use the following formula for calculating air treatment times necessary to treat a room.

Square Feet x Height of Room = Cubic Feet
Cubic Feet / CFM of RGF System = Minutes needed to turn air over in a room one time.
Minutes / 60 = Hours needed to turn air over in a room one time.

***Example for Turbozone® Models 400 & 900:***

10' L x 12' W x 8' H room = 960 cubic feet
960 cu. ft. / 45 CFM = 21 minutes to turn room over once

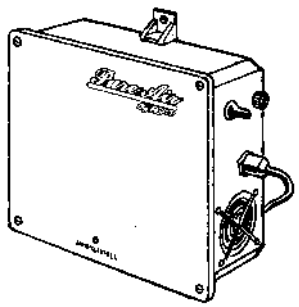
The amount of time necessary to sterilize an area with ozone depends upon the temperature, humidity level and the amount of reactive substances (odors). For effective treatment, it is recommended to turn rooms over at least 3 times.

# OZONE AIR TREATMENT SYSTEMS

## *Pure Air by RGF® Program*
**Occupied Area Passive Ozone Air Purifiers**

### *Pure Air 1000 by RGF®*
***1,000 Sq. Ft. Commercial / Industrial System***

The **Pure Air 1000** and **Pure Air 1000 Plus** were designed for use in Commercial / Industrial applications such as Food Processing Plants, Food Storage Areas , Freezers / Refrigerators, Restaurants, Public Restrooms, and Gymnasiums for continuous elimination of odors and contaminates. For Food Storage applications, the **Pure Air 1000 Plus** provides a higher level of ozonation to prevent contamination such as mold, fungus, and ethylene which can effect food quality and shelf life. The units conveniently mount on walls where they can be placed out of reach from tampering. Standard units are water resistant and come with an on/off switch, fuse, and indicator light. An optional 24-hour timer is available to control operation intervals.

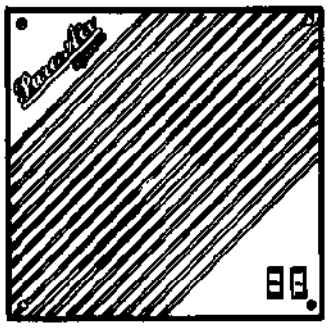


- Ozone Production: 0.04 ppm maximum - Pure Air 1000
  0.10 ppm maximum - Pure Air 1000 Plus
- *Dimensions:* 10”sq. x 5”D
- *Controls:* On / Off Ozone
- *Ozone Distribution:* 32 cfm water resistant fan
- *Colors:* White
- *Electrical:* 120 VAC, 60 Hz, 1.5 Amps
  220 VAC, 50/60 Hz, 0.75 Amps
- *Warranty:* 1 Year Parts & Labor
- *Options:* 24 Hour Timer Installed (Item # OI-001T)

| *Item #* | *Description* | *Application Areas* | *Coverage Area* | *Electrical* | *Ship Wt.* |
|---|---|---|---|---|---|
| PUREAIR-1000-16 | *Pure Air 1000* - 0.04 ppm | Commercial / Industrial Areas | 1,000 sq. ft. | 115 VAC , 60 HZ | 12 lbs. |
| PUREAIR-1000-26 | *Pure Air 1000* - 0.04 ppm | Commercial / Industrial Areas | 1,000 sq. ft. | 220 VAC , 50/60 HZ | 14 lbs. |
| PUREAIR-1000P-16 | *Pure Air 1000 Plus* - 0.10 ppm | Food Storage Areas | 1,000 sq. ft. | 115 VAC , 60 HZ | 12 lbs. |
| PUREAIR-1000P-26 | *Pure Air 1000 Plus* - 0.10 ppm | Food Storage Areas | 1,000 sq. ft. | 220 VAC , 50/60 HZ | 14 lbs. |

### *Pure Air Built-In Plus by RGF®*
***1,000 sq. ft. Wall Mounted***

The ***Pure Air Built-In Plus by RGF®*** is ideal for hotel rooms, hallways, hospitals or public restrooms where continuous air purification for the removal of ambient odors is a plus. The unit mounts in the wall and provides passive ozonation, UV disinfection, and negative ionization for odor removal and sterilization. The Built-In Plus has two setting for light or heavy odor levels.



- Ozone Production: 0.04 ppm maximum
- *Dimensions:* 10”W x 10”H x 3.5”D
- *Controls:* on/off ozone, on/off fan
- *Ozone Distribution:* convection air rise or 8 cfm fan
- *Color:* White
- *Electrical:* 120 VAC, 60 Hz, 0.8 Amps,
  220 VAC, 50/60 Hz, 0.8 Amps
- *Warranty:* 3 year materials and workmanship
  1 Year Parts & Labor

| *Item #* | *Description* | *Application Areas* | *Coverage Area* | *Electrical* | *Ship Wt.* |
|---|---|---|---|---|---|
| PUREAIR-BIP-16 | *Pure Air Built-In Plus* - 110 VAC | hotels, hospitals, offices, homes | 1,000 sq. ft. | 115 VAC , 60 HZ | |
| PUREAIR-BIP-26 | *Pure Air Built-In Plus* - 220 VAC | hotels, hospitals, offices, homes | 1,000 sq. ft. | 220 VAC , 50/60 HZ | 5.5 lbs. |

j Specification Sheet Available j

# OZONE AIR TREATMENT SYSTEMS

## *Pure Air by RGF® Program*
**Occupied Area Passive Ozone Air Purifiers**

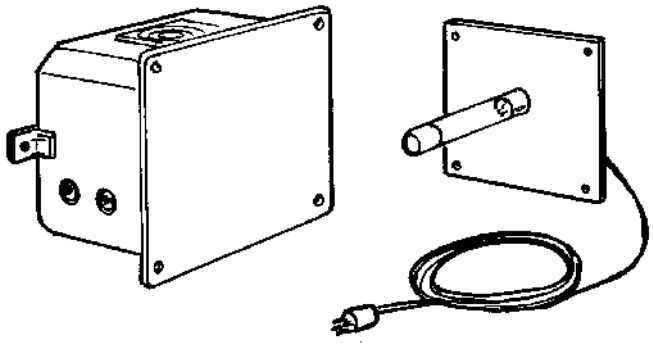
## *The HVAC-PROBE by RGF®*
***HVAC Air Handler Probe Systems***

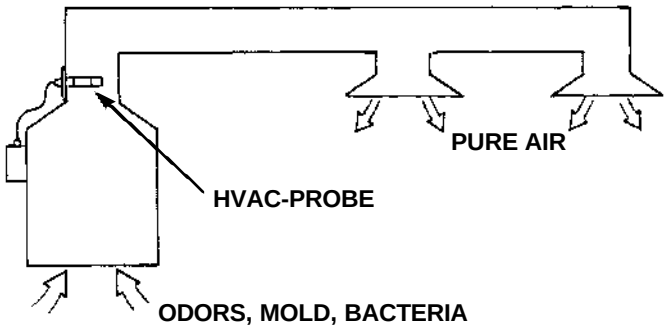
*The **HVAC-PROBE by RGF®*** systems are designed to eliminate sick building syndrome risks by reducing odors, air pollutants, and cold and virus causing germs through UV/$O_3$ Catalytic Oxidation. The HVAC-PROBES are easily mounted into air conditioning and heating systems air ducts where most sick building problems exists. When the HVAC system is in operation the HVAC-PROBE creates the UV/$O_3$ Catalytic Oxidation process to reduce the airborne contaminants..

**Why Use UV/$O_3$ Catalytic Oxidation?**

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria) UV light is dependable and can be easily installed in HVAC ducts or a plenum. Germicidal UV light is effective in reducing airborne micro-organisms that pass through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors.

Ozone, on the other hand, is very effective on gases, vapors, and odors. However, too much ozone can be a health hazard, and traditional methods of producing ozone (corona discharge) have maintenance problems and creates nitric acid and nitric oxide.






- Ozone Production: 0.04 ppm maximum
- *Ozone Distribution:* distributed through air handler
- *Installation:* installed in air duct
- *Electrical:* 208/220/277 VAC, 50/60 Hz, 24 VAC other power supplies available
- *Warranty:* 1 Year Parts & Labor

The combination of ozone ($O_3$) and UV light develops a catalytic oxidation that creates and also destroys ozone. By engineering the proper light wave length and a dual function, no maintenance UV/$O_3$ probe, RGF has effectively designed a system that will not exceed the recommended Federal safety limits for ozone (0.04 ppm) in an occupied room.

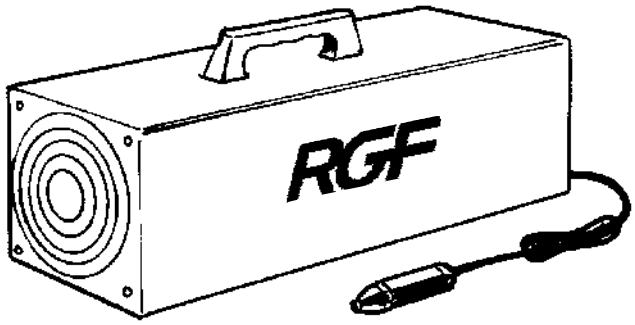
With the RGF HVAC-PROBE Catalytic Oxidation System, micro-organisms can be reduced by 90%, gases and odors nuetralized, and the room will have ozone levels no greater than forest air or air after a thunderstorm, which will give the room fresh, clean sanitized and odor free air. In addition, passive negative ionization will occur to provide airborne negative ions for on-going purification.

*The **HVAC-PROBE by RGF®*** unit size is scaled to accommodate the various air flow rates of different HVAC systems. Locate the air blower size in cubic feet per minute (SCFM) of the HVAC system you are intending to install the system in, then pick the model number that corresponds to that flow rate.

| *Item #* | *HVAC Air Blower Size* | *Probe Length* | *Ship Wt.* |
|---|---|---|---|
| AIRDUCT 16 | Up to 1,000 SCFM | 105 mm | 2 lbs. |
| AIRDUCT 4-16 | 1,000 to 6,500 SCFM | 212 mm | 3 lbs. |
| AIRDUCT 4H-16 | 6,500 to 10,00 SCFM | 212 mm | 3 lbs. |
| AIRDUCT 8-16 | 10,000 to 18,000 SCFM | 357 mm | 4 lbs. |
| AIRDUCT 8H-16 | 18,000 to 26,000 SCFM | 357 mm | 4 lbs. |
| AIRDUCT 82H-16 | 26,000 to 30,000 SCFM | dual 357 mm | 8 lbs. |
| | Over 30,000 SCFM | Call for Sizing | --- |

# OZONE AIR TREATMENT SYSTEMS

## *Mobile-Pro Plus*
**High Output Mobile Odor Eliminater**

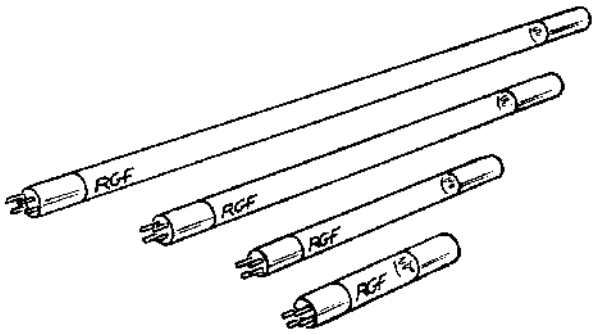



The Mobile-Pro Plus is a high output ozone generator designed for odor removal for auto detailers, car dealers, small offices, hotels rooms, veterinary clinics, kennels and pet shops. The convenient size and weight of Mobile-Pro Plus makes it extremely portable. Standard unit operates on 12 volt cigarette lighter plug. An optional 120 or 220 VAC wall adapter is available.

- *Dimensions:* 5" sq. x 10"L
- *Electrical:* standard: 12 VDC, 1.1 Amps
  Optional: 120 VAC, 60 Hz, 1.5 Amps
- *Ozone Production:* 185 NM High Output UV Light Generator
- *Warranty:* 1 Year Parts & Labor

| *Item #* | *Description* | *Ozone Output* | *Ship Wt.* |
|---|---|---|---|
| MBPRO-12 | Mobile-Pro Plus Ozone Generator - 12 VDC | 10 ppm @ 32 cfm | 5 lbs. |
| CALL | 120 / 220 VAC Wall Adapter | --- | 2 lbs. |

## Replacement Ozone Generating Lamp



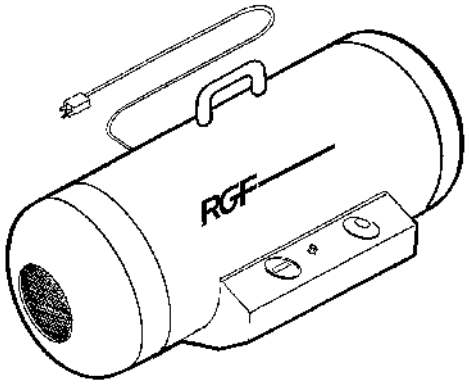

RGF Ozone Generating Lamps are constructed of the finest materials available and provide a service life up to 10,000 hours of continuous ozone production (approx. 1 1/4 years). Once the lamps have reached this service life, they should be replaced to replenish the ozone production.

| *Item #* | *Description* | *Applicable Systems* | *Ship Wt.* |
|---|---|---|---|
| EL-095T | 3" Ozone Generating Lamp | All Pure Air Systems | 1 lbs. |
| EL-045T | 9" Ozone Generating Lamp | Model 400 / TC-05 / CD-400 / LS-800 | 1 lbs. |
| EL-045T-HO | 9" High Output Ozone Generating Lamp | Model 400-HO / TC-05-HO / CD-400-HO / LS-800-HO | 1 lbs. |
| EL-078T | 14" Ozone Generating Lamp | Model 900 | 1 lbs. |
| EL-078T-HO | 14" High Output Ozone Generating Lamp | Model 900-HO / Mobile Pro Plus | 1 lbs. |
| EL-047T | 36" Ozone Generating Lamp | Model 3300 & 6000 / 36K / Catox-16 | 1 lbs. |
| EL-047T-HO | 36" High Output Ozone Generating Lamp | Model 3300-HO & 6000-HO / 36K-HO / Catox-16-HO | 1 lbs. |

# OZONE AIR TREATMENT SYSTEMS

## Turbozone® Models 400 & 900
### Light to Medium Duty Portable Ozone Air Treatment

***Re-Engineered in 1997***
***80% Higher $O_3$ Outputs in 1998***




The Turbozone Models 400 & 900 were re-engineered in 1997 to be lighter weight, portable, and maintenance free. Now in 1998 - the units incorporate our new High Output Ozone Generation Process for higher ozone outputs*. The units are designed for the treatment of light to moderate odors in commercial and industrial applications such as Hotel Rooms, Automobiles, Real Estate, Storage Area and Office Buildings. Both units feature 5 year / 10,000 hour ozone output warranty. Standard model comes complete with a 12 hour timer, hour meter, indicator light, and removable power cord.

- *Dimensions:* 26"L x 13" W x 15" H
- *Electrical:* Model 400-HO: 120/220 VAC, 50/60 Hz, 0.9 Amps
  Model 900-HO: 120/220 VAC, 50/60 Hz, 1.25 Amps
- *Ozone Production:* 185 NM High Output Ultraviolet Light Generator
- *Warranty:* 5 Year / 10,000 Hours - Ozone Output
  1 Year Parts & Labor
- *Options:* Hose Adapter (Item #OI-002T)
  6' Flex Hose (Item #HF-010T)

| *Item #* | *Description* | *Ozone Output*** | *Ship Wt.* |
|---|---|---|---|
| TB400-16 | Turbozone® Model 400-HO* Ozone Generator - 110 VAC, 60 Hz | 4.5 ppm - 685 mg/hr @45 cfm | 11 lbs. |
| TB400-26 | Turbozone® Model 400-HO* Ozone Generator - 220 VAC, 50/60 Hz | 4.5 ppm - 685 mg/hr @45 cfm | 11 lbs. |
| TB900-16 | Turbozone® Model 900-HO* Ozone Generator - 110 VAC, 60 Hz | 13.5 ppm - 1650 mg/hr @45 cfm | 11 lbs. |
| TB900-26 | Turbozone® Model 900-HO* Ozone Generator - 220 VAC, 50/60 Hz | 13.5 ppm - 1650 mg/hr @45 cfm | 11 lbs. |

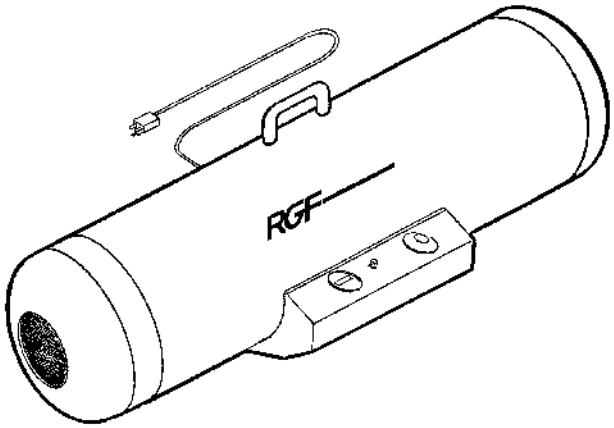
* HO Series produces 80% Higher Output than pre-1998 models

j Specification Sheet Available j

** Ozone output tested at 80° F and 40% relative humidity

## Turbozone® Models 3300 & 6000
### Medium to Heavy Duty Portable Ozone Air Treatment Systems

***Re-Engineered in 1997***
***80% Higher $O_3$ Outputs in 1998***




The Turbozone Models 3300 & 6000 were re-engineered in 1997 to be lighter weight, portable, and maintenance free. Now in 1998 - the units incorporate our new High Output Ozone Generation Process for higher ozone outputs*. The units are specifically designed for the treatment of moderate to heavy odors in commercial and industrial applications. Both units feature 5 year/10,000 hour ozone output warranty. Standard model comes with 12 hour timer and hour meter, indicator light, and removable power cord.

- *Dimensions:* 43"L x 13" W x 15" H
- *Electrical:* Model 3300: 120/220 VAC, 50/60 Hz, 1.3 A
  Model 6000: 120/220 VAC, 50/60 Hz, 2.0 A
- *Ozone Production:* 185 NM High Output Ultraviolet Light Generator
- *Warranty:* 5 Year / 10,000 Hours - Ozone Output
  1 Year Parts & Labor
- *Options:* Hose Adapter (Item #OI-002T)
  6' Flex Hose (Item #HF-010T)

| *Item #* | *Description* | *Ozone Output*** | *Ship Wt.* |
|---|---|---|---|
| TB3300-16 | Turbozone® Model 3300-HO Ozone Generator - 110 VAC, 60 Hz | 25.0 ppm - 5997 mg/hr @65 cfm | 36 lbs. |
| TB3300-26 | Turbozone® Model 3300-HO Ozone Generator - 220 VAC, | 25.0 ppm - 5997 mg/hr @65 cfm | 36 lbs. |
| TB6000-16 | 50/60Hz | 45.0 ppm - 10880 mg/hr @65 cfm | 40 lbs. |
| TB6000-26 | Turbozone® Model 6000-HO Ozone Generator - 110 VAC, 60 Hz | 45.0 ppm - 10880 mg/hr @65 cfm | 40 lbs. |

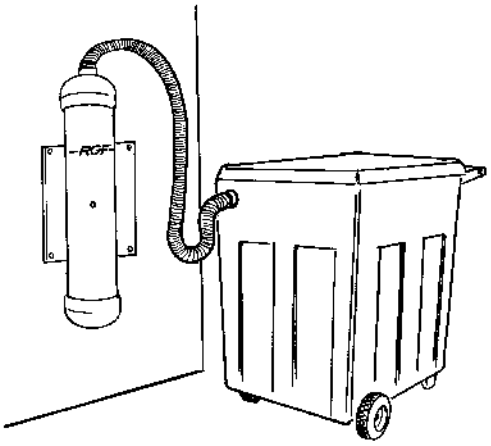
* HO Series produces 80% Higher Output than pre-1998 models

j Specification Sheet Available j

** Ozone output tested at 80° F and 40% relative humidity

# OZONE AIR TREATMENT SYSTEMS

## Turbozone® TC-05 Ozone Generator
### Household Trash Can Odor Eliminater



The Model TC-05-HO is a small UV ozone generator designed to eliminate odors caused by decomposing trash in outdoor trash cans such as in-ground trash cans or small dumpsters. The unit should be mounted on a wall near the trash cans. Standard unit features an internal fan, on/off switch, indicator light, and feed hose. An optional external 24 hour timer is available.

- *Dimensions:* 5" dia. x 24"L
- *Weight:* 5 lbs.
- *Electrical:* 120 VAC, 60 Hz, 1.0 Amps
- *Ozone Production:* 185 NM High Output UV Light Generator
- *Warranty:* 1 Year Parts & Labor

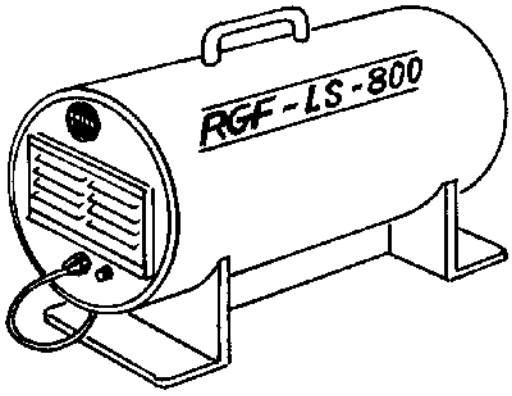
Note: Please specify power requirements at time of order.

| *Item #* | *Description* | *Ozone Output* | *Ship Wt.* |
|---|---|---|---|
| HTC-16 | TC-05-HO Household Trash Can Odor Eliminater | 2.0 ppm @ 32 cfm | 12 lbs. |
| OI-001T | Optional 24 Hour Timer (External) | --- | --- |

* Ozone output tested at 80° F and 40% relative humidity

## Turbozone® Model CD-400 & LS-800
### Outdoor Rated Ozone Generators

***80% Higher $O_3$ Outputs in 1998***




The Turbozone® Models CD-400-HO & LS-800-HO ozone generators are specifically designed for outdoor use. They are intended to reduce and eliminate odors associated with sewer lift stations, sumps, pits, trenches, garbage compactors, and dumpsters. These models are fully automatic and require very little yearly maintenance. The units come complete with power switch, hour meter, and air filter. An optional 6' flexible hose is available for external connections.

- *Dimensions:* 10" W x 24" L x 14" H
- *Electrical:* 120/220 VAC, 50/60 Hz, 2.0 Amps
- *Ozone Production:* 185 NM High Output UV Light Generator
- *Warranty:* 5 Year / 10,000 Hours - Ozone Output
  1 Year Parts & Labor

| *Item #* | *Description* | *Ozone Output** | *Ship Wt.* |
|---|---|---|---|
| CD-400-16 | Turbozone® Model CD-400-HO - 110 VAC, 60 Hz (Outdoor Rated) | 6.3 ppm @ 65 cfm | 55 lbs. |
| CD-400-26 | Turbozone® Model CD-400-HO - 220 VAC, 50/60 Hz (Outdoor Rated) | 6.3 ppm @ 65 cfm | 55 lbs. |
| LS-800-16 | Turbozone® Model LS-800-HO - 110 VAC, 60 Hz (Outdoor Rated) | 10.5 ppm @ 65 cfm | 63 lbs. |
| LS-800-26 | Turbozone® Model LS-800-HO - 220 VAC, 50/60 Hz (Outdoor Rated) | 10.5 ppm @ 65 cfm | 63 lbs. |
| HF-010T | Optional 6' Flexible Hose | --- | 2 lbs. |

* HO Series produces 80% Higher Output than pre-1998 models

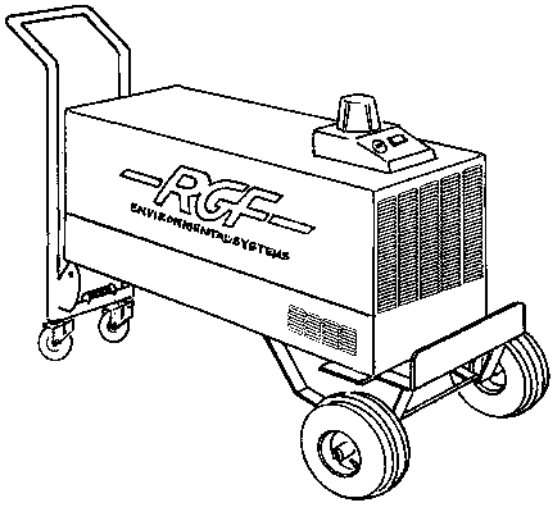
j Specification Sheet Available j

* Ozone output tested at 80° F and 40% relative humidity

# OZONE AIR TREATMENT SYSTEMS

## Turbozone® Model 36K
**High Output Smoke and Fire Restoration System**

### *80% Higher $O_3$ Outputs in 1998*




This UV generator is intended for the fire, smoke, and flood restoration service industry, where time is money and high levels of ozone are needed to neutralize odors. The unit is mounted on a foldable cart system for portability and comes complete with a digital timer, operation warning light, high velocity fan with air filter, and UV ozone lamps. This is a no maintenance product.

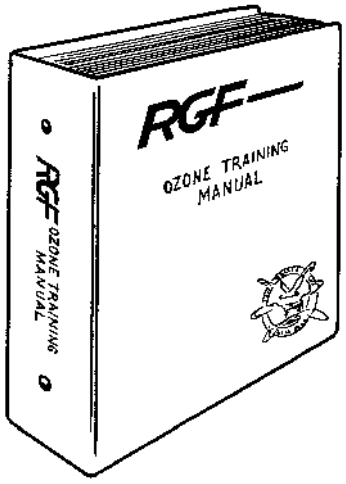
- *Dimensions:* 2' dia. x 5' L x 4' H
- *Weight:* 400 lbs
- *Electrical:* 120 VAC, 60 Hz, 30.0 Amps
- *Ozone Production:* 185 NM High Output UV Light Generator
- *Warranty:* 5 Year / 10,000 Hours - Ozone Output
  1 Year Parts & Labor

| *Item #* | *Description* | *Ozone Output** | *Ozone Output (static)** | *Ship Wt.* |
|---|---|---|---|---|
| TB36K-16 | Turbozone® Model 36K | 14.4 ppm @ 950 cfm | 65.0 g/hr | 240 lbs. |

* HO Series produces 80% Higher Output than pre-1998 models

* Ozone output tested at 80° F and 40% relative humidity

## *RGF $O^3$ Training Manual*

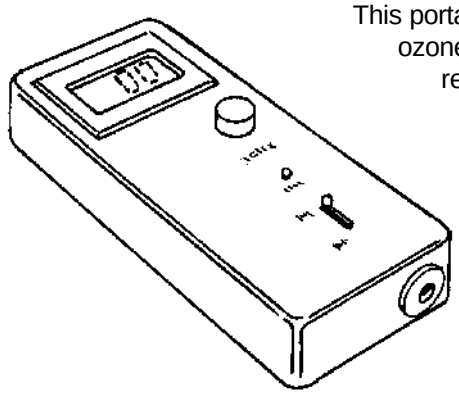



This invaluable ozone reference manual contains important material such as application recommendations, safety regulations, marketing tips, articles, technical information, a question and answer pamphlet, equipment and warranty information, and much more. Also included is a 100 question open-book ozone test. After successfully completing the test, you will receive a frameable certificate of competence as a "Certified Ozone Specialist".

| *Item #* | *Description* | *Ship Wt.* |
|---|---|---|
| LT-100T | RGF $O^3$ Training Manual | 10 lbs. |

## Ozone Monitoring / Sampling Equipment

### *Eco-Sensor Ozone Monitor*
***Ozone Concentration in Air Monitor***



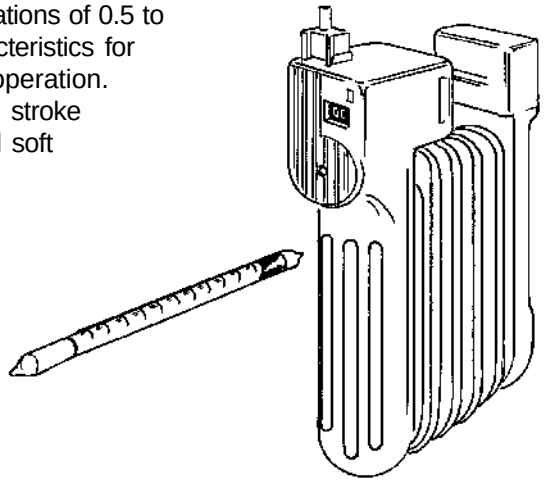
This portable ozone sensor provides a reliable and inexpensive method for checking ozone residual levels (ranging from 0 to 1 PPM) in a room before allowing it to be re-occupied after treatment. This sensor is a must for all ozone service companies. Rechargeable battery lasts up to 7 hours. Unit comes complete with a carrying case and charger. Replacement sensors available.

- *Measurement range*: 0.00 to 20.00 PPM
- *Ozone sensor*: semiconductor sensor
- *Electric Charger*: 110 VAC, 60 Hz - Other Powers Available

| *Item #* | *Description* | *Ship Wt.* |
|---|---|---|
| SE-600-Y | Eco-Sensor A-21Z | 1 lbs. |
| SE-601-Y | Spare Sensor for SE-600 | 0.25 lbs. |

### *Bellows Pump Kit*
***Ozone Concentration in Air Tester***

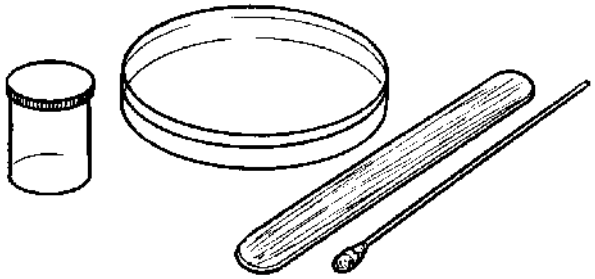
The Bellows Pump Kit accurately tests ozone residuals in air for concentrations of 0.5 to 300 PPM. The bellows design provides precise volume and flow characteristics for accurate, repeatable results. Easy to squeeze for one-handed operation. Constructed of highly corrosion resistant material with built-in automatic stroke counter. The Bellows Pump Kit includes pump, deluxe tube opener, and soft sided carrying case (detection tubes not included).



- *Measurement range*: 0.5 - 7.0 PPM - Low scale Tubes
  10 - 300 PPM - High Scale Tubes

| *Item #* | *Description* | *Ship Wt.* |
|---|---|---|
| SE-100-Y | Bellows Pump Kit (incl. Pump, Opener, Case) | 2 lbs. |
| SE-200-Y | 0.5 - 7.0 PPM Ozone Detection Tubes | 1 lbs. |
| SE-300-Y | 10.0 - 300.0 PPM Ozone Detection Tubes | 1 lbs. |

### *Petri Dish Test Kit*
***Bacteria / Fungus / Mold Tester***



The Petri Dish Test Kit is used for testing bacterial content on surfaces. This kit is ideal for pre and post testing of contaminated areas. Simply draw a sample from duct work, vents, filters, etc. Within 24 to 48 hours growth will appear. Then, treat the contaminated area with an RGF Turbozone® and draw another sample. Little or no growth should be evident, indicating successful treatment.

| *Item #* | *Description* | *Ship Wt.* |
|---|---|---|
| PT-009-Y | Petri Dish Test Kit (Pk. 12) | 1 lbs. |