

# **RGF<sup>®</sup>** **ENVIRONMENTAL**

## **Commercial Air Purification and Odor Destruction System** **A Photohydroionization™ (PHI) Technology**

Ideal for building managers, fire / flood restoration, hotel rooms, and apartments.  
Can be used to effectively treat most problem odor areas.



**Model 1000**

Patent Pending

### **THE RGF TURBOZONE LINE OF LOW COST ADVANCED OXIDATION/OZONE GENERATORS IS DESIGNED TO DESTROY, NOT COVER UP, THE FOLLOWING:**

Chemical Fumes  
Cleaning Chemical Odors  
Cooking Odors  
Decaying Organic Matter

Fire & Smoke  
Garbage  
Hydrocarbons  
Mold & Mildew

Paint  
Pet Odors  
Sewer Odors  
Volatile Organic Compounds

### **RGF'S PORTABLE, LIGHTWEIGHT MODELS ARE IDEAL FOR:**

Agriculture  
Airplanes  
Apartments/Condos  
Automobiles  
Buses  
Carpet Cleaning

Dry Cleaners  
Dumpsters  
Fire & Flood Restoration  
Fitness Facilities  
Food Services  
Hotels/Motels/Resorts

Janitorial Services  
Municipal Facilities  
Office Buildings  
Restaurants  
Hair / Nail Salons  
Yachts & Boats

# TURBOZONE OUTSTANDING FEATURES

- RGF has been an international Leader in Innovative Environmental Systems since 1985.
- Turbozone is EPA registered No. 67400-FL-001.
- All units are maintenance free.
- Warranty 1 year parts.
- RGF will perform a free unit safety inspection.
- Leaves no chemical residue.
- RGF offers a full ozone training manual.
- For high level non-occupied treatment.
- Helps control air pollution and sick building syndrome.
- Turbozone utilizes RGF proprietary Photohydroionization™ process which targets high intensity uv light on a hydrated quad-metallic target in an ozone atmosphere which creates hydro-peroxides, ozonide ions hydroxides and super oxide ions.
- Fully automatic, easy to use, versatile and portable.
- Operates unattended with built in timing device.
- Low power consumption, plugs into a 220V standard outlet.
- No costly and complicated chemicals or additives.
- All brushed stainless steel.

## Formula for Calculating Air Treatment Times

Calculate Area to be treated-  
 Square meters x Height of Room = Cubic meters  
 Cubic meters x 1000 = Litres of air  
 Litres ÷ L/sec rating = Time in seconds  
 Seconds divided by 60 = Minutes to turn air in room over 1 time\*

## Example For Model 1000

3m L x 4m W x 2.5m H room = 30 cubic meters  
 30 cu meters x 1000 = 30,000 litres  
 30,000 litres divided by 22L/sec = 1,363 secs  
 1,363 secs divided by 60 = 22 mins to turn room air volume over 1 time\*  
**RGF suggests 3 turnovers of room volume for complete treatment.**

The amount of time necessary to treat an area with advanced oxidation and ozone depends upon the temperature, humidity level and the amount of reactive substances (odors).

\*Ozone output tested at 80 degrees F and 40% relative

## SPECIFICATIONS:

Fan Volume at Discharge	22 liters / second
Ozone Concentration at Discharge	13.5 PPM *
Ozone Output	1650 MG/Hr
Weight	5.5 kg
Dimensions	66 cm L x 33 cm W x 38 cm H
Target	Hydrated Tri-metalic
Approximate UVChamber life	5,000 Hrs
Voltage	220 volt 50 Hz
Total Electrical	1.25 amp
UV Chamber Electrical	.75 amp
Fan Electrical	.5 amp
Material/Finish	Stainless steel
Controls	On/Off Light 12 Hour Timer
Ultraviolet Chamber Replacement PHI	Electrically Excited Krypton Gas (2)
Cell Part#	PHIC-14H0A

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