

# EnviroTech Group

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## ICE MACHINES

Advanced Oxidation Process for Small Compactor/Bacteria, Virus & Odor Abatement System



RGF'S BACTERIA / ODOR ABATEMENT SYSTEM  
- FOR -  
DUMPSTERS, FOOD PROCESSING,  
RESTAURANTS, HOTELS, NURSING HOMES, RECYCLE  
CENTERS, FAST FOOD, SUPERMARKETS  
just to name a few.

RGF has been an International leader in innovative environmental systems since 1985

Best warranty in the industry - three (3) full years parts and labor

Fully automatic, easy to use and install

No costly and complicated chemicals

Leaves no residue / operates unattended

BOSIII uses Photohydroionization™, nature's environmentally friendly natural sanitizer

Low power consumption, 110 or 220 volt

Very low maintenance

3 year continuous operation average photohydroionization™ cell life

Advanced Oxidation gases actually destroys odor molecules, it is not a cover-up

Photohydroionization™ destroys bacteria, viruses, mold, VOCs and odors

**THE RGF BOSIII PHOTOHYDROIONIZATION™ MODULE WILL DESTROY, NOT JUST COVER-UP, THE FOLLOWING AIRBORNE SUBSTANCES:**

- DECOMPOSING ORGANICS
- SMOKE
- MOLD & MILDEW
- BACTERIA
- ALGAE
- URINE / FECES
- CHEMICAL FUMES

- FUNGUS
- YEAST
- POLLEN
- HYDROCARBONS
- KETONES
- SPORES
- VOC's

**THE RGF BOS SYSTEM OF LOW COST ADVANCED OXIDATION PRODUCTION IS DESIGNED TO PROVIDE COMMERCIAL AIRBORNE BACTERIA AND ODOR DESTRUCTION**

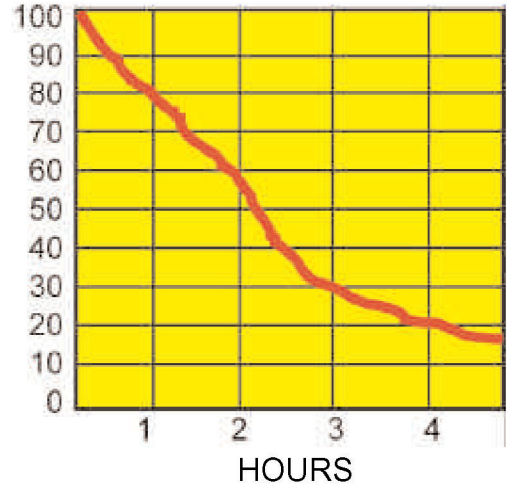
**Lab Results**



Before and after bacteria samples application of BOSIII unit to commercial dumpster compactor

\* Independent Lab data available

Odor reduction



**Outstanding Features**

- No Costly Chemicals
- All stainless steel
- Automatic Unattended Operation
- Safety Service Cut Off Switch
- 3 Year Limited Warranty
- Destroys Odors- Is Not a Cover Up
- Economical to Use
- Low Maintenance - Monthly filter cleaning, PHI Cell replacement 3 years
- Reduces Fly Infestation
- Reduces airborne bacteria
- Reduces liability
- Eliminates odors

**Specifications**

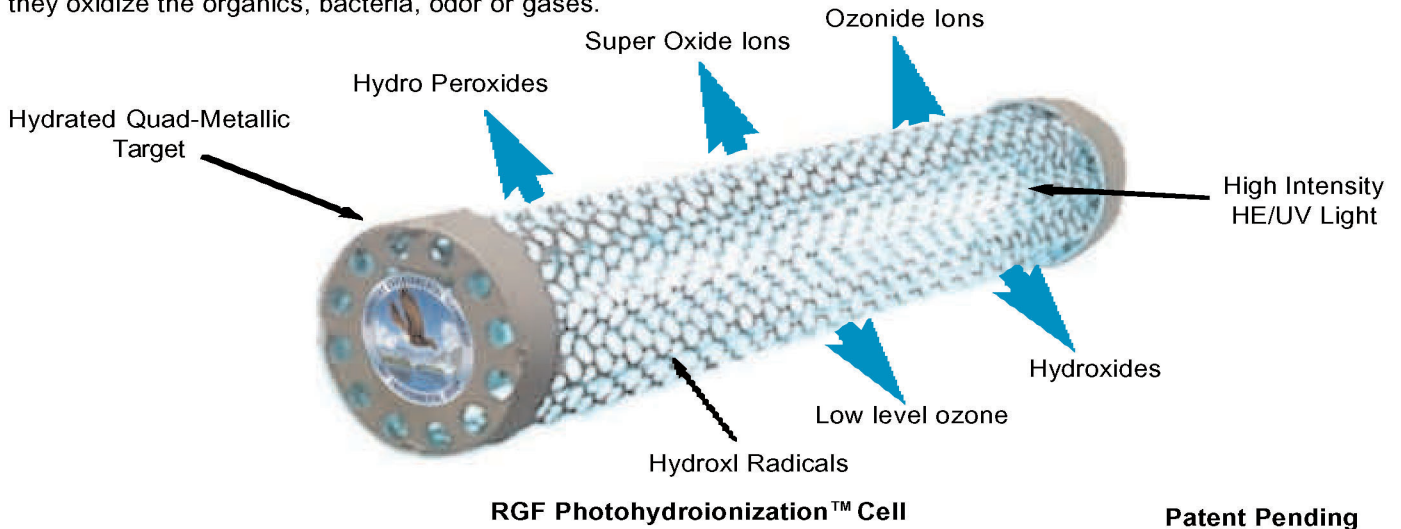
MODEL	BOSIII
VOLTAGE	110V 60 HZ 1 AMPS
WEIGHT	10 LBS.
MATERIAL	STAINLESS STEEL
DIMENSIONS	18" x 4" x 4"
FINISH	BRUSHED STAINLESS STEEL
CONTROLS	INDICATOR LIGHT / ON OFF SWITCH
FAN VOLUME	45 CFM
ADVANCED OXIDATION	1 PHOTOHYDROIONIZATION™ CELLS
PHI CELL LIFE	APPROX. 25,000 HOURS
OXIDATION GASES	HYDRO PEROXIDES, SUPER OXIDE IONS, HYDROXYL RADICALS OZONIDE IONS, HYDROXIDES

**The Benefits**

The Advanced Oxidation gas created by the RGF Photohydroionization™ Cell are safe environmentally friendly oxidizers that revert back to oxygen and hydrogen. The RGF - BOSIII utilizes the PHI Cell to create hydroperoxides, super oxide ions, ozonide ions and hydroxides. The ozone produced is a safe low concentration, produced by a targeted high intensity UV light technology. This method is far safer and more effective than the traditional ozone generators. Targeted UV ozone generators do not produce nitric oxide gas or nitric acid and they have a very high efficiency rating. The additional oxidizers provides a broader range of applications and redundant oxidation gases.

## The Physics of RGF's Proprietary Photohydroionization™

A high intensity UV light targeted on a hydrated Quad-Metallic target in an ozone atmosphere thereby creating safe low level Ozone, Hydroperoxides, Super Oxide Ions, Hydroxyl Radicals, Ozonide Ions and Hydroxides. All are very aggressive friendly gaseous oxidizers. By friendly we mean oxidizers that revert back to oxygen and hydrogen after they oxidize the organics, bacteria, odor or gases.



## APPLICATIONS



Compactor Odor and Airborne Bacteria control

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