

# Safety Net APS *BOSII*

## Advanced Oxidation Process for Small Compactor/Dumpster/Waste Storage Area Lift Station Bacteria, Virus & Odor Abatement System



RGF has been an International leader in innovative environmental systems since 1985 Best warranty in the industry - two (2) full years parts and labor

Fully automatic, easy to use and install, versatile and portable

No costly and complicated chemicals

Leaves no residue / operates unattended

BOSII uses Photohydroionization®, nature's natural deodorizer, environmentally friendly

Low power consumption, 110 or 220 volt

Low maintenance - only one filter to clean yearly cell replacement

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, organic pollutants and odors

### BACTERIA / ODOR ABATEMENT SYSTEM - FOR -

LIFT STATIONS, DUMPSTERS, FOOD PROCESSING, RESTAURANTS, HOTELS, NURSING HOMES, RECYCLE CENTERS, FAST FOOD, SUPERMARKETS, LAUNDRIES... just to name a few.

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

## BOSII

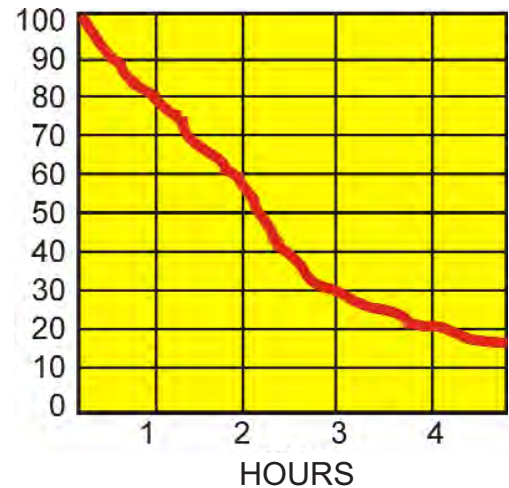
### Lab Results



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

\* Independent Lab data available

### Odor reduction (Hydrogen Sulfide)



### Outstanding Features

- No Costly Chemicals
- All stainless steel
- Automatic Unattended Operation
- Safety Service Cut Off Switch
- 2 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

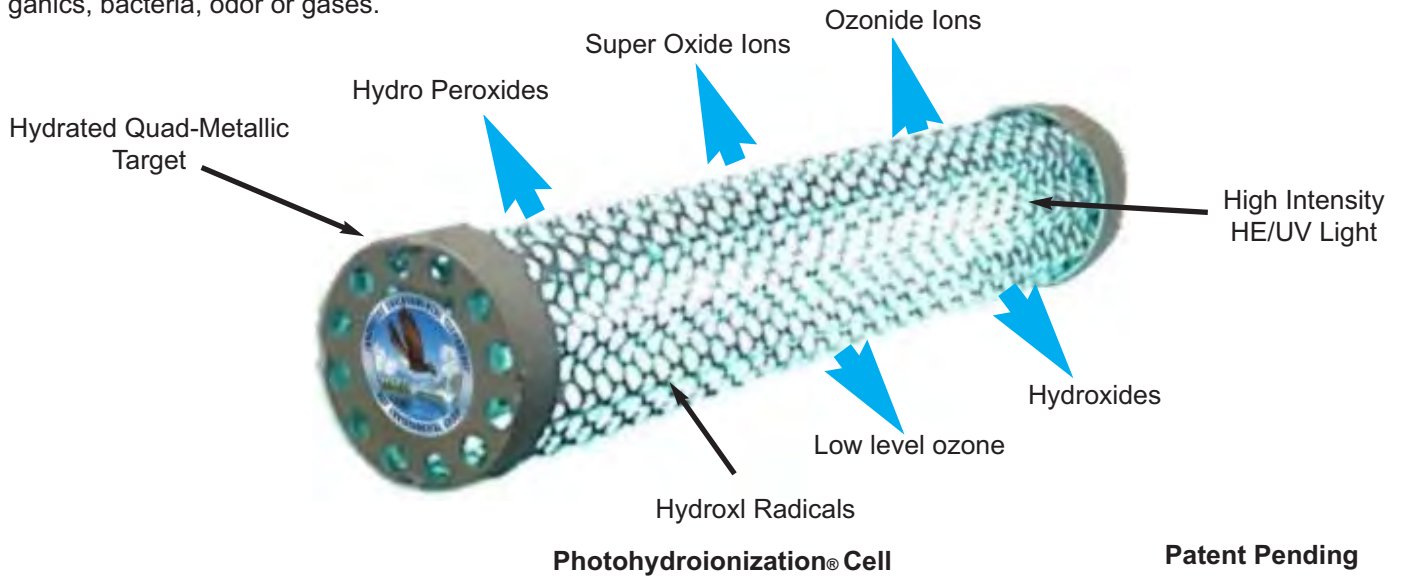
MODEL	BOSII
VOLTAGE	110V 60 HZ 3 AMPS
WEIGHT	10 LBS.
MATERIAL	STAINLESS STEEL
DIMENSIONS	25" x 6.25" x 6"
FINISH	2 PART EPOXY
CONTROLS	INDICATOR LIGHT
FAN VOLUME	45 CFM
ADVANCED OXIDATION	1 PHOTOHYDROIONIZATION™ CELLS
PHI CELL LIFE	APPROX. 25,000 HOURS
OXIDATION GASES	HYDRO PEROXIDES, ,SUPER OXIDE IONS, HYDROXYL RADICALS OZONIDE IONS, HYDROXIDES

### The Benefits

The Advanced Oxidation gases created by the Photohydroionization® Cell are safe environmentally friendly oxidizers that revert back to oxygen and hydrogen. The BOSII 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 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 Photohydroionization®

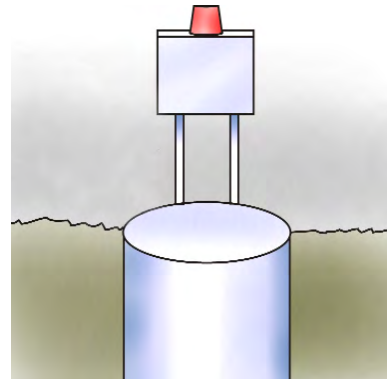
A high intensity UV light targeted on a hydrated Quad-Metallic target in an ozone atmosphere thereby creating Hydroperoxides, Super Oxide Ions, Hydroxyl Radicals, Ozonide Ions and Hydroxides. All are very aggressive friendly gaseous oxidizers. By friendly we mean oxidizers that revert back to oxygen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



## APPLICATIONS



Dumpster / Compactor Odor and Airborne Bacteria control



Lift Station Odor and Airborne Bacteria control



Laundry storage rooms airborne bacteria and odor control