The RGF 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 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 BOS unit to commercial dumpster compactor

* Independent Lab data available

Outstanding Features

- No Costly Chemicals
- All stainless steel
- Automatic Unattended Operation
- Safety Service Cut Off Switch
- Hour meter / On off indicator light
- Destroys Odors - Is Not a Cover Up
- High Capacity Blower
- Low Maintenance
- Reduces Fly Infestation
- Reduces airborne bacteria
- Reduces liability
- Eliminates odors

Specifications

<table>
<thead>
<tr>
<th>MODELS</th>
<th>BOS-HOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOLTAGE</td>
<td>110V 60Hz LOW 1.36 A HIGH 2.17A / 220V 50/60 Hz LOW 0.68A HIGH 1.09A</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>20 LBS.</td>
</tr>
<tr>
<td>MATERIAL</td>
<td>STAINLESS STEEL</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>25” x 10” x 18”</td>
</tr>
<tr>
<td>HOSE</td>
<td>2.5” DIA x 8’ L</td>
</tr>
<tr>
<td>CONTROLS</td>
<td>ON/OFF HIGH/LOW (Six cells on high setting - three cells on low setting)</td>
</tr>
<tr>
<td>FAN VOLUME</td>
<td>100 CFM</td>
</tr>
<tr>
<td>NUMBER OF PHI CELLS</td>
<td>SIX (6)</td>
</tr>
<tr>
<td>PHI CELL LIFE</td>
<td>APPROX. 10,000 HOURS</td>
</tr>
<tr>
<td>OXIDATION GASES</td>
<td>HYDRO PEROXIDES, OZONE, SUPER OXIDE IONS, OZONIDE IONS</td>
</tr>
</tbody>
</table>

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 - BOS utilizes ozone to create hydroperoxides, 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 RGF's Proprietary Photohydroionization®
A high intensity UV light targeted on a hydrated Quad-Metallic target in an ozone atmosphere thereby creating Ozone, Hydroperoxides, Super Oxide Ions, Hydroxides and Ozonide Ions. 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
- Waste / recycling storage rooms airborne bacteria and odor control
- High rise trash drop airborne bacteria and odor control
About RGF

Innovation
Since 1985 RGF has maintained a steady flow of award winning innovative purification products. RGF has been awarded national recognition as a recipient of the Inc./MCI Customer Service Award.

Design
Our R&D technical staff consists of the following specialists: Advanced oxidation, biological, mechanical, chemical, water treatment engineering, electrical, nuclear, fabrication, design, and environmental law. Our 3D printers give us rapid design ability.

Patented Technology
RGF has been a leader in patented Environmental sanitation / purification technology and products for air, food and water.

Lab
RGF maintains four fully equipped labs. R&D - Mechanical, Electrical (UL approved), R&D Food and a wet lab.

Manufacturing
RGF is a fully vertical manufacturer. Our 100,000 square foot facility has electrical/mechanical assembly, injection molding, assembly line, custom engineering, welding, painting, mold making, machining and marine fabrication.

Validation
RGF first developed its Advanced Oxidation Technology over 20 years ago. Over 1 million RGF Cells are in use around the world. RGF has licensed its technology to many Fortune 500 companies for use in the medical, food, military, residential, commercial, marine, hospitality and government, etc.

R & D
RGF maintains a Research and Development staff that is involved in EPA / USDA / FDA / EPRI and University Environmental Studies. Our staff continuously develops system improvements and new products. RGF personnel have been published in over 70 national journals and textbooks.

Custom Applications & Components
RGF’s award winning engineering team custom designs systems for air, food, water and marine purification technology and products

Advanced Oxidation
RGF has been a leader in Advanced Oxidation technology since 1985. We developed an advanced catalytic oxidation system for total organic oxidation. Our Photohydroionization process has been approved by the USDA / FDA / FSIS for food processing and air purification systems.

Envision
The “World’s First Environmentally Friendly Mega Yacht” serves as a working showroom for RGF’s Advanced Oxidation products. Envision uses and displays over 50 RGF products.