



Plug In Plus by RGF®

Thank you for purchasing the
Plug In Plus by RGF®
Advanced Oxidation System



NOTE: Please take time to read the attached assembly instructions.
All instructions and precautions should be adhered to while
operating this system.

About RGF



Innovation

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



Design

Our technical staff consists of the following specialists: biological, mechanical, chemical, waste treatment, construction engineering, nuclear, fabrication, design, and environmental law. Our AutoCAD service provides fast, accurate designs.



Patented Technology

RGF has been a leader in patented Environmental Technology.



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.



R & D

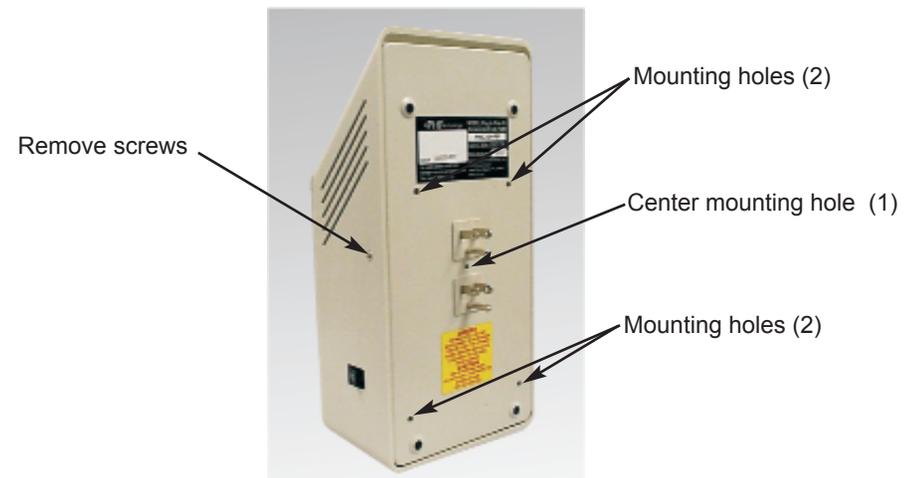
RGF maintains a Research and Development staff that is involved in EPA / USDA / FDA / EPRI and University Environmental Studies. Our staff continuously develops system improvements and new products. RGF personnel have been published in over 70 national journals and textbooks.

INSTALLATION INSTRUCTIONS

DANGER: For outlet installation only, never connect to an extension cord or other type of power source. Improper installation could result in electrical shock or short.

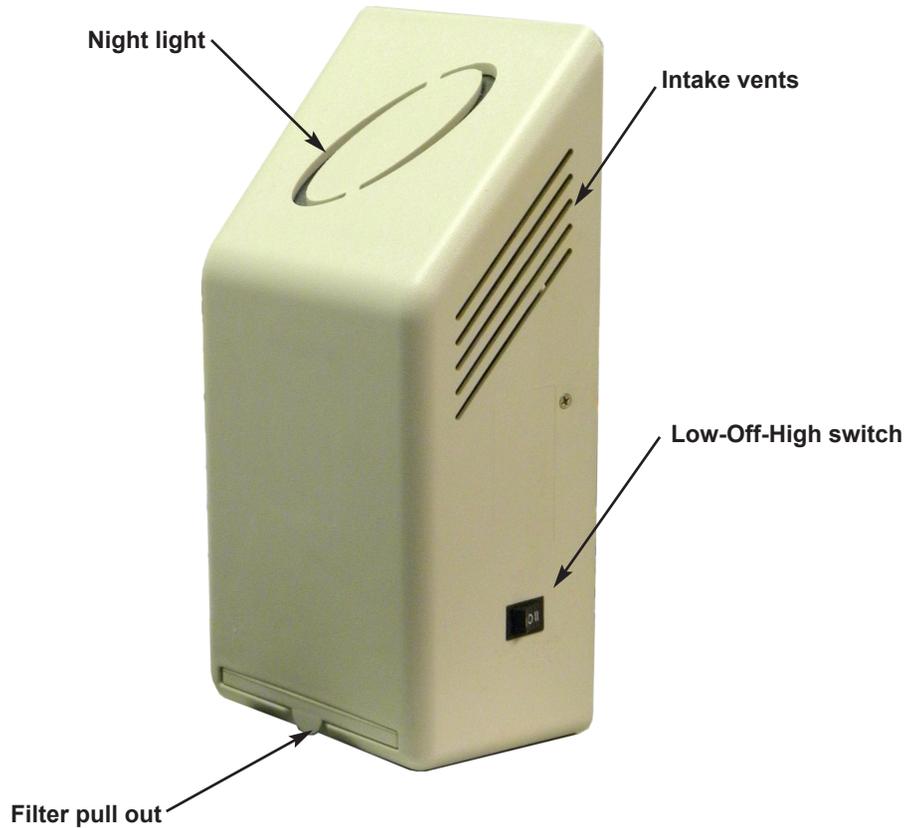
1. Find a convenient wall outlet. Plug the unit into the outlet. Note: It is not recommended to place the PIP unit into an outlet equipped with a GFCI (Ground Fault Circuit Interrupter) device. If the GFCI is tripped, it will not be possible to reset the outlet GFCI device (unless the PIP is physically removed from the outlet). In installations requiring a GFCI circuit, it is recommended that the breaker box be equipped with a GFCI breaker to protect the outlet circuit.
2. Turn off power at the breaker panel for the outlet (restore when installation is complete).
3. Remove the PIP cover and install anti-theft screws (Note: as the wall material will vary from installation to installation, the wall mounting security screws are not provided). Please use the appropriate type of fasteners for the substrate encountered in each installation location (2-1/2" long fasteners are recommended).
4. Fasten the security screws into the provided holes going through the back of the unit. In wall installations with wood or metal studs you will need to locate which side the stud is positioned on, and then use the corresponding holes in the unit (two holes located to the left of center, or two holes located to the right of center).
5. Note: A light duty mounting option is included with the unit. This is for low traffic areas such as storage rooms and similar areas that do not require an anti-theft type of mounting.

- Locate the appropriate outlet and disconnect power to it at the breaker box.
- Remove the center screw from the outlet plate cover.
- Plug unit into the outlet (be sure outlet cover is still in place), and secure unit and outlet plate to outlet using provided 6-32 X2" machine screw.

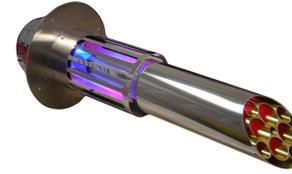


OPERATION

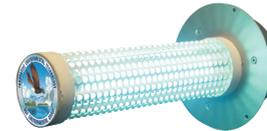
After completing the installation, you can now operate the unit. Operation is controlled via a switch, located on the side of the unit.



Other RGF® PHI Products



REME HVAC Cell REME or Reflective Electro Magnetic Energy utilizes an electromagnetic energy cell to create ionized hydro peroxides™, a friendly oxidizer plasma made from oxygen and humidity. This air purifying plasma is propelled into the HVAC duct or plenum by a silent plasma propulsion module that has no moving parts, yet propels the plasma at 2 cfm. This provides for fan or blower-less operation on a 24-hour basis. The purifying plasma will be propelled through the ducts whether the fan or blower is on or not. This permits a hardwire 110 volt plug-in installation that lets the REME run 24/7 without wiring to the fan/blower circuit.



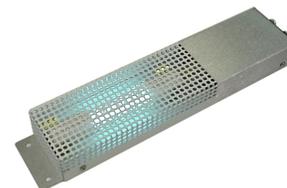
The Guardian Air by RGF® is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold, bacteria and viruses. The HVAC-PHI Cells are easily mounted into air conditioning and heating systems air ducts where most sick building problems start. When the HVAC system is in operation the HVAC-PHI Cell creates an Advanced Oxidation Process consisting of: Hydro-peroxides, ozonide ions, super oxide ions and hydroxide ions. All are friendly oxidizers. By friendly oxidizers we mean oxidizers that revert back to oxygen and hydrogen after the oxidation of the pollutant.



The RGF - IMSB is designed for use on ice machine small compactors and holding tanks. The unit utilizes the PHI Cell to create hydroperoxides, super oxide ions, ozonide ions and hydroxides. 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 provide a broader range of applications and redundant oxidation gases.



RGF's AUV Stick Light+(PCO) will provide you with years of safe, dependable, economical UV light disinfection and protection of your AC coil surfaces from bacteria, virus, mold growth and odors resulting in a cleaner, more efficient energy-saving system.



The Mini PHI Cell by RGF® features the same technology as the Guardian Air but is designed to fit into smaller HVAC systems such as PTAKS – Fan coils and unit ventilators.

**WARRANTY REQUEST FORM
(INCOMPLETE FORMS WILL NOT BE PROCESSED!)**

RETURN AUTHORIZATION NO. _____
CONTRACTOR:
NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIPCODE _____
CONTACT _____ PHONE _____ FAX _____

WHOLESALER:
NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIPCODE _____
CONTACT _____ PHONE _____ FAX _____
EMAIL ADDRESS _____

UNIT: MODEL # _____ SERIAL # _____
RGF INVOICE # _____ DISTRIBUTOR P.O. #: _____
DATE OF SALE: _____ OVER THE COUNTER EXCHANGE? YES NO
IF YES, SERIAL # _____

ITEM(S) SUBMITTED FOR WARRANTY:
1) _____
2) _____

REASON(S) FOR RETURN:

(FOR MANUFACTURER USE ONLY)

DATE ITEM(S) RECEIVED: _____
RECEIVED BY: _____
REPLACEMENT UNIT OR PART SENT

COMMENTS: _____
NOTE: THIS COMPLETED FORM MUST ACCOMPANY ALL RETURNED ITEMS.

SHIP TO:
RGF Environmental Group, Inc.
ATTN: CUSTOMER SERVICE DEPARTMENT
1101 West 13th Street Port of Palm Beach Enterprise Zone
Riviera Beach, FL 33404 USA
Tel: (561) 848-1826 • (800) 842-7771 • Fax: (561) 848-1160

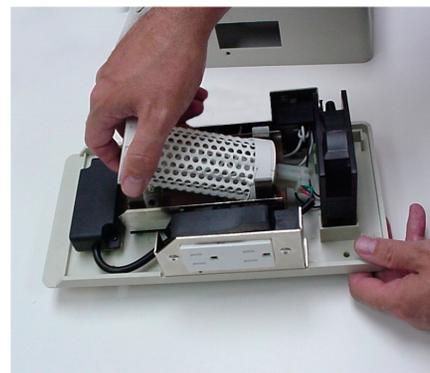
LAMP REPLACEMENT PROCEDURE

Caution: Before attempting to service the Plug In Plus, remove unit from outlet.
**DANGER: MAKE SURE UNIT IS DISCONNECTED BEFORE SERVICING.
NEVER LOOK DIRECTLY AT UV LIGHT. UV LIGHT WILL DAMAGE YOUR EYES.**

1. Remove cover by first removing two (2) screws from each side of cover. Next gently pull out on both sides of cover and pull cover away from chassis



2. Pull PHI Cell out from clips.



3. Remove plug from PHI Cell. Replace PHI Cell. Replace cover. Plug back into outlet.



FILTER CLEANING PROCEDURE

Slide filter out from front of unit.
Wash with warm soapy water and allow to air dry before replacing into unit.



REPLACEMENT PART NUMBERS

Component	Cell
PHI Cell	PHIC-PIP-GA

LIMITED WARRANTY

This warranty supersedes and replaces any warranty statements made orally by the Sales Person, Distributor, or Dealer, or contained in the written instructions or other brochures or informational documents related to this product.

Manufacturer warrants the new Guardian Air by RGF® equipment to be free from defects in material and workmanship under normal use and service when operated and maintained in strict accordance with manufacturer's instructions for a period of twenty four (24) months from the date of receipt of equipment. (For international orders twelve (12) months parts only. Shipping not included.)

Manufacturer's obligation under this warranty is limited to repairing or replacing any part found to its satisfaction to be so defective. The manufacturer at its discretion may replace / exchange the defective unit up to 90 days from the date purchase. Hereafter it will need to be returned under a Returned Materials Authorization (RMA) for review and or repair (if found defective). This warranty does not cover parts damaged by decomposition from chemical action or wear caused by abrasive materials, nor does it cover damage resulting from misuse, abuse, or any other than its intended use, accident, neglect, or from improper operation, maintenance, installation, modification or adjustments.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

To obtain warranty service and return authorization number, contact your supplier.

Include a copy of your Bill of Sale, Invoice or Receipt of Purchase, with an explanation of the problem or defect.

Hg- LAMP CONTAINS MERCURY Manage in accord with disposal laws.
See: www.lamprecycle.org