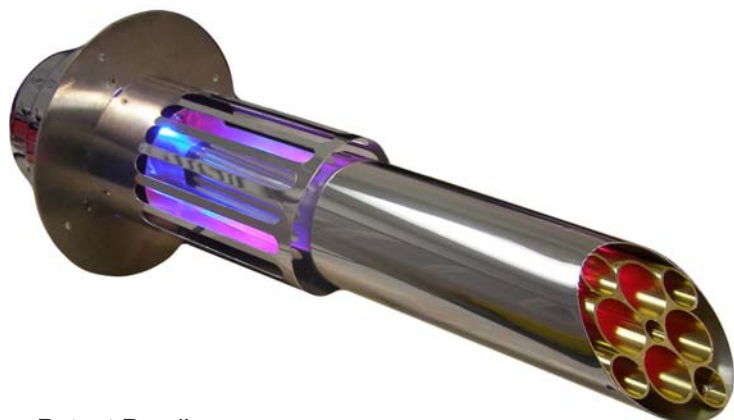


# RGF® Guardian Air

## AC/Heat Duct Air Purification System A REME™ Advanced Oxidation Technology

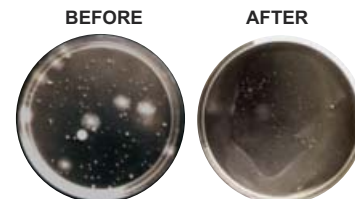
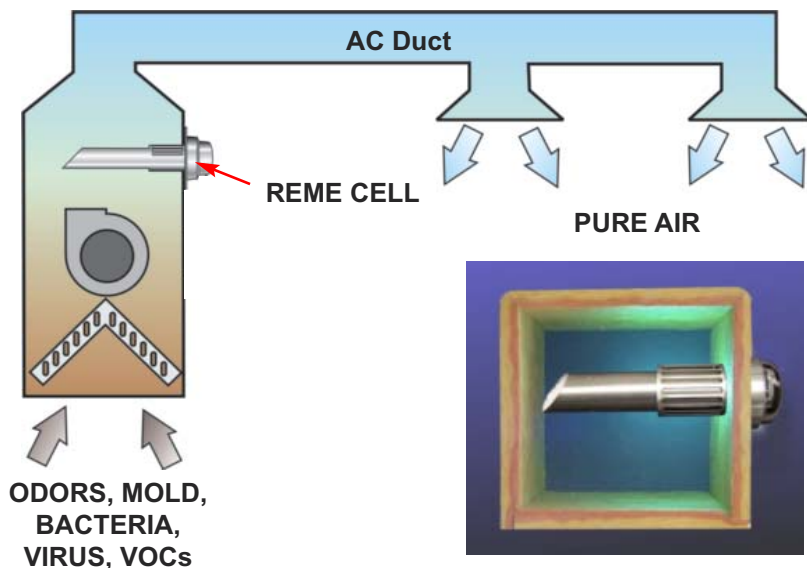


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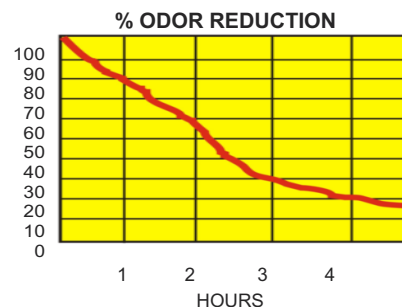
The **Guardian Air REME by RGF®** is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold, bacteria and viruses\*. The REME unit is easily mounted into air conditioning and heating systems air ducts where most sick building problems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

### Why Use RGF's REME™ Technology ?

With a REME™ Generator Advanced Oxidation System, micro-organisms can be reduced by over 99%. Gases, VOCs, odors and particulates (dust, dander and pollen) can also be reduced significantly. Charged Advanced Oxidation Plasma will be carried throughout the space for a continuous purification process and a quick kill of newly introduced odors and microbials.



Actual lab tests showing up to 97% reductions of airborne bacteria and mold



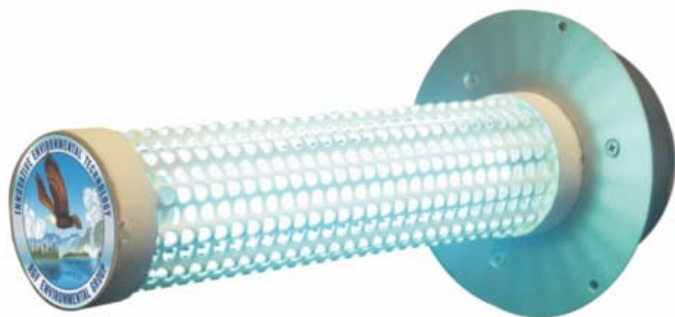
Item #	HVAC Air Blower Size	Dimensions	Ship Wt.
REME-HVAC-305-24V	1,000 to 6,500 CFM	12" probe / 5.5 Dia." plate	3 lbs.
REME-HVAC-305-HO-24V	6,500 to 10,000 CFM	12" probe / 5.5 Dia." plate	3 lbs.

### 100-240 VAC Model Available

The process produces a charged plasma of hydro-peroxides, super oxide ions and hydroxides to purify the air. With the RGF REME Advanced Oxidation System, micro-organisms can be reduced up to 99.99%. Gases, VOCs and odors can also be reduced significantly, and the room will have ionized hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

## Guardian Air PHI

The **Guardian Air PHI 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 system 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, 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.



•Installation:	Installed in HVAC duct or plenum
•Electrical:	100-240 VAC Auto switching power supply
•Materials:	Polymers
•Warranty:	2 Year Parts
•PHI Cell Replacement	Recommended after 25,000 hrs

The **Guardian Air PHI** unit size is scaled to accommodate the various air flow rates of different HVAC systems. Locate the air blower size in cubic feet per minute (CFM) of the HVAC system you are intending to install the system in, then pick the model number that corresponds to that flow rate. **Note:** It is recommended these units be installed by a licensed electrician.

Item #	HVAC Air Blower Size	Dimensions	Ship Wt.	Replacement Cell#
HVAC-PHI-118-GA-VSF	Up to 1,200 CFM	5" probe / 5.5 Dia." plate	4 lbs.	PHIC-5GA-VSF
HVAC-PHI-212-GA	1,000 to 6,500 CFM	9" probe / 5.5 Dia." plate	4 lbs.	PHIC-9-GA
HVAC-PHI-212HO-GA	6,500 to 10,000 CFM	9" probe / 5.5 Dia." plate	4 lbs.	PHIC-9HO-GA
HVAC-PHI-357-GA	10,000 to 18,000 CFM	14" probe / 5.5 Dia." plate	4 lbs.	PHIC-14-GA
HVAC-PHI-357HO-GA	18,000 to 26,000 CFM	14" probe / 5.5 Dia." plate	4 lbs.	PHIC-14HO-GA

24V Model Available

## Mini Split PHI



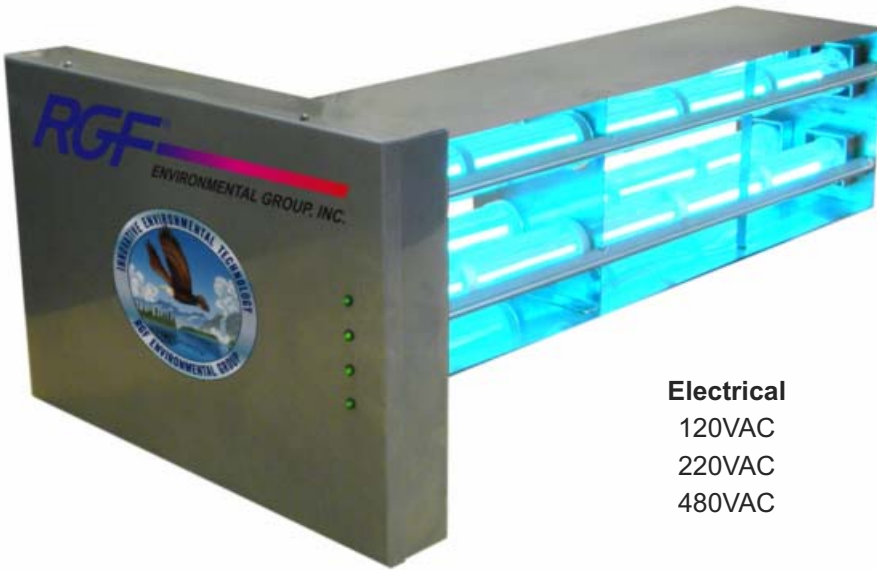
The **Mini Split PHI Cell by RGF®** is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold, bacteria and viruses. The Mini Split HVAC-PHI Systems are easily mounted onto air conditioning unit without modification of the unit using hook and loop adhesive strips. The Mini Split incorporates it's own pull out reusable copper/silver ionic germicidal electro static filter. When the HVAC system is in operation the Mini Split HVAC-PHI Cell creates an Advanced Oxidation Process consisting of: Hydro-peroxides, 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.

**Electrical**  
230VAC / 1Ph / 60Hz

Patent Pending

Item #	HVAC Air Blower Size	Approx. Sq. Feet	Dimensions	Ship Wt.
MINI SPLIT-HVAC-PHI-230	600* to 1,200 CFM	Up to 1,000	30"W x 2.5"D x 1.25"H	3 lbs.

## Commercial PHI Unit



**Electrical**  
120VAC  
220VAC  
480VAC

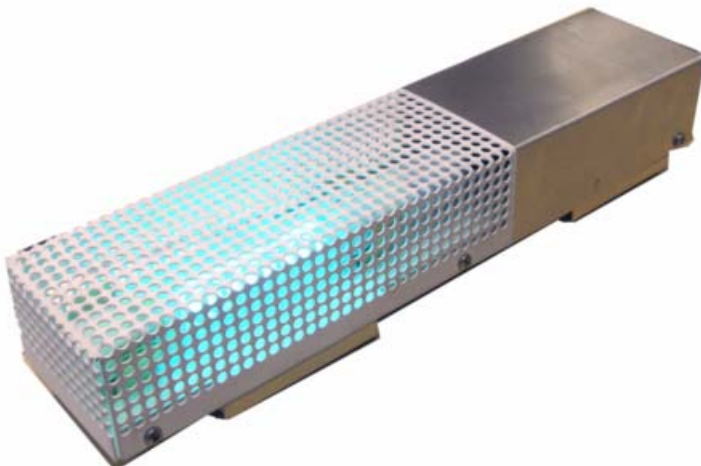
Patent Pending

The **Commercial PHI Unit** by RGF® is designed to reduce odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses. The unit is easily mounted into air conditioning and heating system air ducts where most sick building problems start. When the HVAC system is in operation the **Commercial PHI Unit** 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 system is available fully assembled for easy installation.

This product has four PHI cells that are 36" in length which will treat up to 100,000 cfm. These can be ordered with anywhere from one to four cells. We are also introducing a 14" version of this product, so between both systems there are numerous applications that we can cover. There are numerous cell configurations of this product ranging from 9,500 to 100,000 cfm or 25 to 250 tons.

Item #	HVAC Air Blower Size	Tonnage	Dimensions	Ship Wt.
PHI-COM-24V	9,500 to 100,000 CFM	Up to 250 ton	Enclosure 12.25"W x 19.5"L x 2.75"D Cell Unit 8"W x 8"D x 16" or 35"L	15 lbs.

## Magnetic Mount Package Unit



The **PHI Package Unit** by RGF® is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses\*. This product is designed specifically for package systems and utilizes adjustable magnetic feet to attach without fasteners to the blower unit itself making installation as trouble free as possible. This 24V model connects directly into the control box of the HVAC unit. Now available in 5", 9" and 14" cells which will handle package products from 1.5 to 20 tons. Perfect for all applications where duct work is hard to get to.

The **PHI Package** unit size is scaled to accommodate the various air flow rates of different HVAC systems.

**Note:** It is recommended these units be installed by a licensed electrician.

Item #	HVAC Air Blower Size	Tonnage	Dimensions	Ship Wt.
PHI-PKG5-24V	250* to 1,200 CFM	Up to 3 ton	2.25"W x 10.5"L x 1.75"D	1 lbs.
PHI-PKG9-24V	1,200* to 3,000 CFM	3.5 to 7.5 ton	2.25"W x 13.5"L x 1.75"D	1 lbs.
PHI-PKG14-24V	3,000* to 8,000 CFM	7.5 to 20 ton	2.25"W x 13.5"L x 1.75"D	1 lbs.

\*Install unit in conjunction with an HVAC system utilizing a minimum air volume of 250 cfm.

## Plug In Plus



Patent Pending

Order Part# PIP-16-GA

### Reduces Airborne

- Smoke •Mold •VOCs
- Odors •Bacteria •Viruses

### Benefits

- Plugs into existing outlets
- No wiring required
- Economical
- Low Maintenance
- 25,000 Hour Cell Life
- Light weight
- Compact
- Built in night light
- Hidden mounting screws prevent theft
- Built in electrical outlet
- 2 year warranty

CONFORMS TO  
UL STANDARD 1598



### You don't lose your outlet!

Air Outlet

Night Light

Plugs directly into  
existing wall outlets

Air Outlet

Low/Off/High

Outlets

Removable Electro-  
static Filter

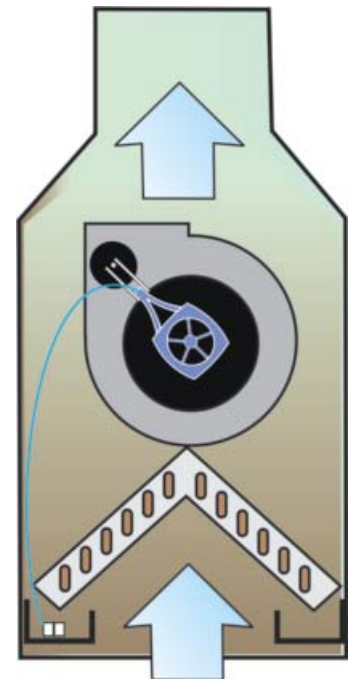
<b>Dimensions:</b>	6.25" w x 3.75" d x 10" h
<b>Electrical:</b>	110 VAC 50 watts
<b>Controls:</b>	Low /Off /High
<b>Weight:</b>	2 lbs.
<b>Material:</b>	Aluminum/ Polymers
<b>Advanced Oxidation:</b>	Less than .04 ppm
<b>Replacement PHI Cell:</b>	(1) PHIC-5A-PIP

## Pan Saver



Patent Pending

A unique solution to an old problem. Designed to significantly reduce condensate line clogging. The Pan Saver uses a micro turbine to capture a small amount of wind energy from the HVAC air, making the unit self contained and energy free! This energy is used to actively release silver and copper ions into the condensate water pan. A university study tested for Legionella reduction, the unit showed a 99% decrease. The replaceable anode is designed to last at least two years. This unit has both commercial and residential applications. No power consumption, no chemicals. A totally green product.



### RGF Environmental Group

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