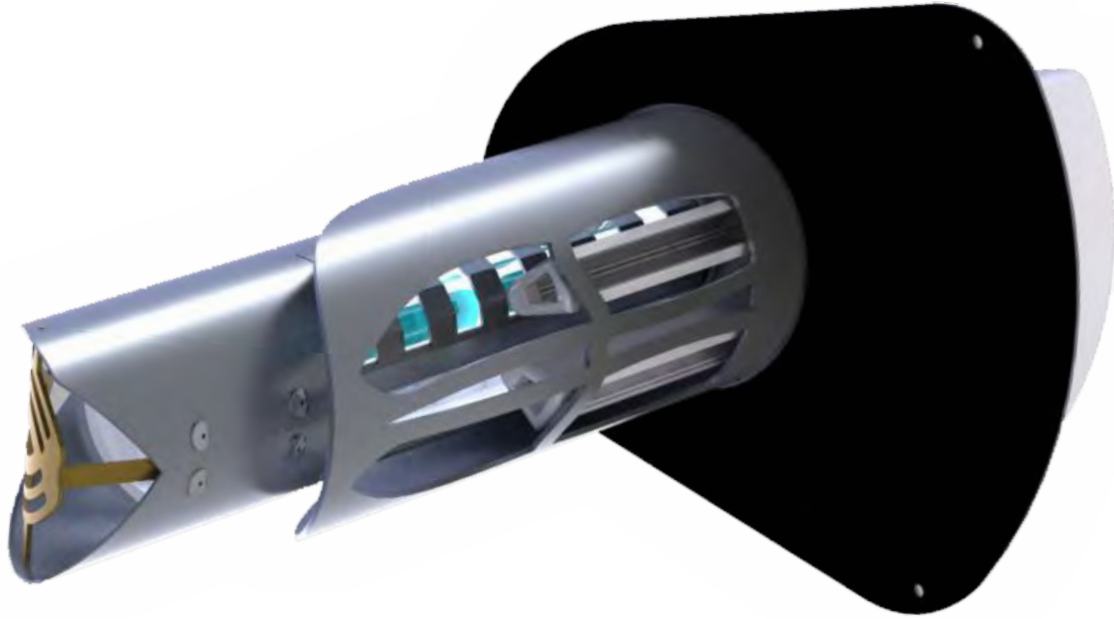


Safety Net APS REME

- ***Increased Ionized Hydro-Peroxide Output***
- ***New Enhanced Catalyst With Zinc For Faster Kill Rates***
- ***Easier, Faster, No Tool Cell Replacement***



The Safety Net APS REME is the next generation of IAQ technology. Our redesigned APS HVAC unit now has higher Ionized Hydro-peroxide output, which gives faster kill rates for microbes in the air as well as on surfaces. Also, this higher output drops more particulate from the air bringing relief to those who suffer from allergies and other respiratory issues.



Quick Release Feature

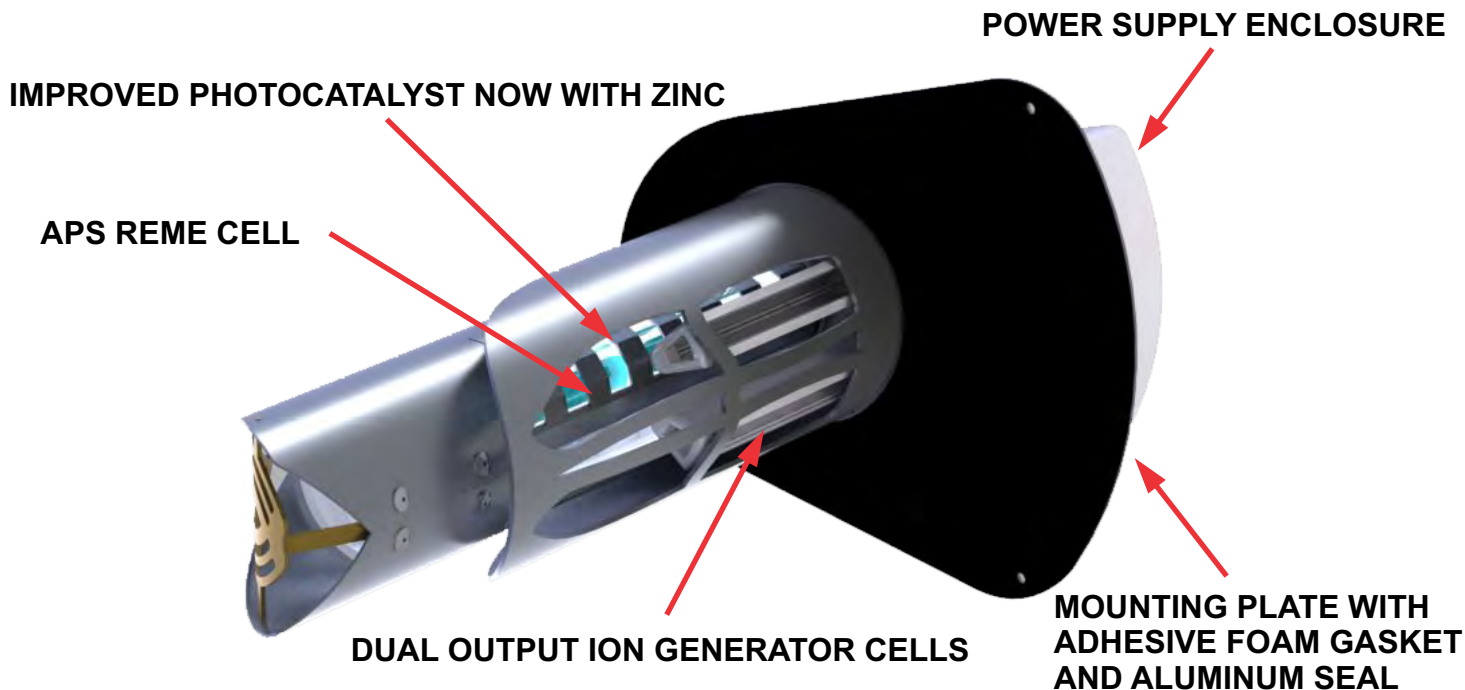
The Safety Net APS REME now features a quick release design for easy removal of the housing to allow easy replacement of the APS cell.



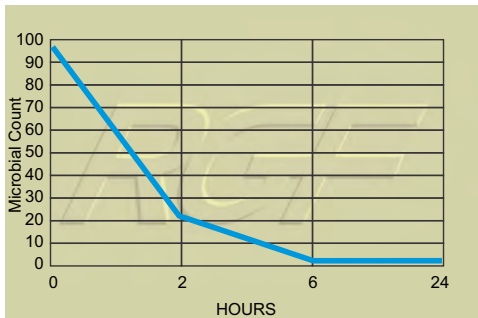
Adjustable Output

The Safety Net APS REME incorporates an adjustable shroud, which allows the customization of the AOP output.

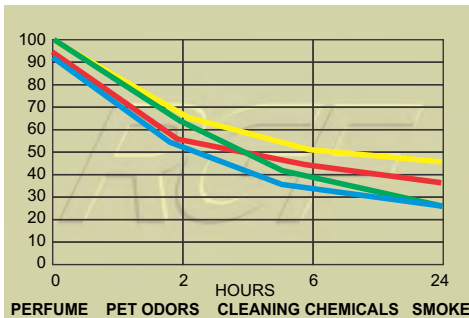
The Safety Net APS REME is designed to eliminate sick building syndrome risks by reducing odors air pollutants, VOCs (chemical odors), smoke, mold, bacteria and viruses. APS REME units are easily mounted into air conditioning and heating systems air ducts where most sick building problems start. When the HVAC system is in operation, the APS Residential unit creates an Advanced Oxidation Plasma consisting of Ionized 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.



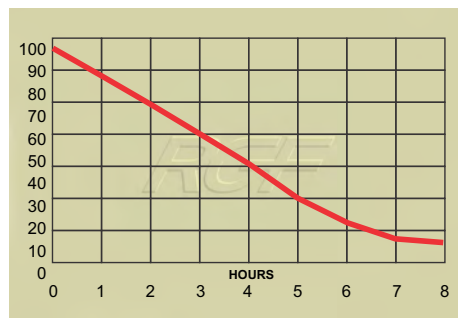
MICROBIALS



ODORS



PARTICULATE



SPECIFICATIONS

Item #	HVAC Blower Size	Electrical	Dimensions	Ship Wt	Replacement Cell
SN-APS	1,000 to 6,500 CFM	24 VAC 0.7 Amps 17 Watts	12" probe / 5.5" diameter plate	6 lbs	PHIC-RH

- Installation: Aluminum and Polymers
- Electrical: Recommended after 25,000 hrs
- Materials: 1,000 - 6,500 CFM



Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network.

info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

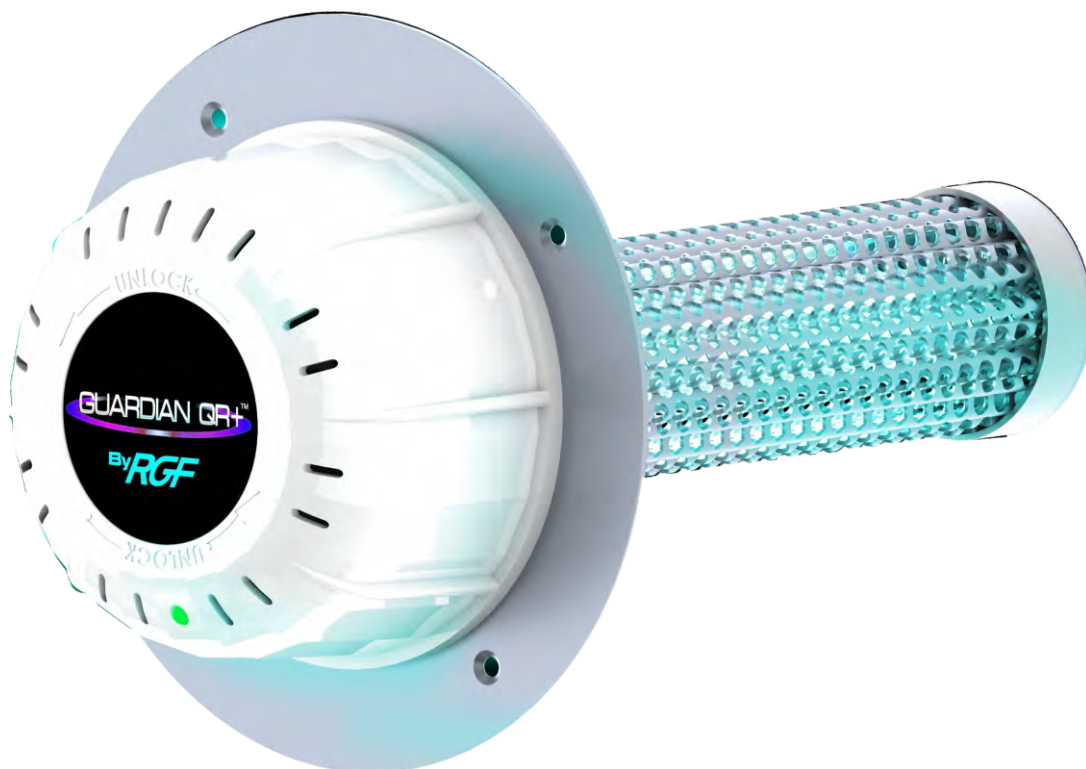
Conforms to: UL 1598
CAN/CSA C222
EN60335-1, EN60335-2-65



GUARDIAN QR+™

By Safety Net APS

- **Kills bacteria, mold and virus**
- **Reduces odors and VOCs (chemical odors)**
- **Easier, Faster, No Tool Cell Replacement**



Guardian Air™ does not need the pollutants to travel to the air handler for UV treatment or filtration. Guardian Air™ is proactive and sends ionized aggressive advanced oxidizers into the room to destroy the pollutants at the source, in the air and on surfaces, before they can reach your family, clients or employees.



Quick Release Feature

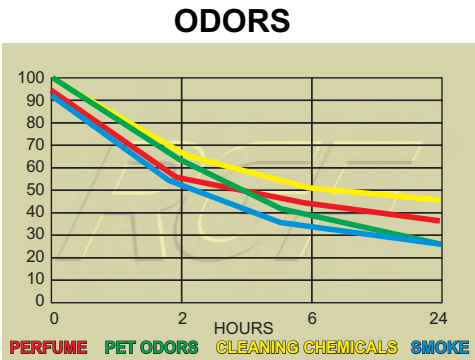
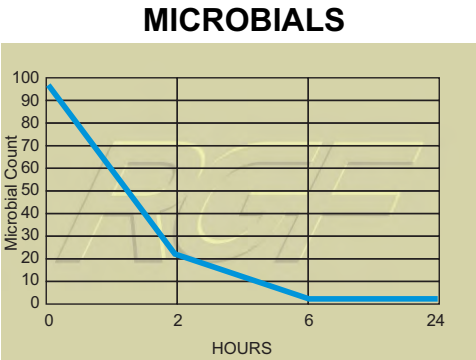
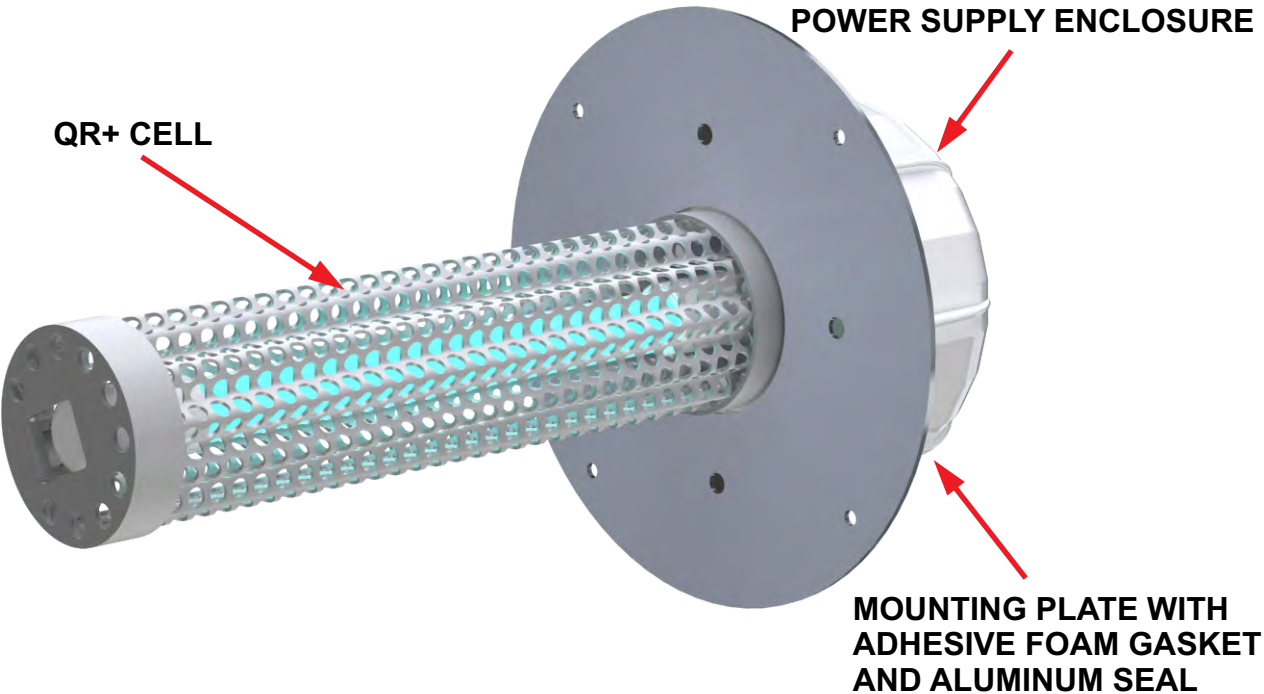
The Guardian Air QR+™ now features a quick-release design for easy removal of the housing to allow easier servicing.



QR+ Cell Replacement

The Guardian Air QR+™ also features a quick-release design for easy removal of the PHI Cell® as well.

The Guardian Air QR+™ is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), mold, bacteria and viruses. The Guardian Air QR+™ units 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 Guardian Air QR+ unit creates an Advanced Oxidation Plasma consisting of Ionized 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.



SPECIFICATIONS

Item #	HVAC Blower Size	Electrical	Dimensions	Ship Wt
QRP-5	Up to 1,200 CFM	24 VAC, 0.47 amps, 11 watts	5" probe, 5.5" dia. Plate	4lbs
QRP-9	1,000 to 6,500 CFM	24 VAC, 0.6 amps, 14 watts	9" probe, 5.5" dia. Plate	4lbs
QRP-14	10,000 to 18,000 CFM	24 VAC, 0.7 amps, 17 watts	14" probe, 5.5" dia. Plate	4lbs

Installation:	Installed in HVAC duct or plenum
Materials:	Aluminum and Polymers
QR+ Cell Replacement	Recommended after 25,000 hrs

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network



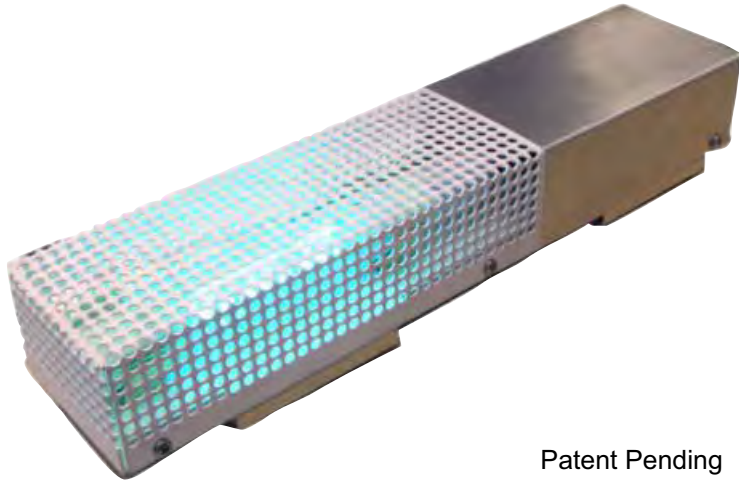
info@safetynetamerica.com 866-918-8546 www.safetynetameria.com

Conforms to: UL 1598
CAN/CSA C222
EN60335-1, EN60335-2-65



Safety Net APS

Magnetic Mount Package Air Purification System ***A Photohydroionization® (PHI) Technology***



Patent Pending

The **PHI Package Unit** 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" and 9" cells which will handle package products from 1.5 to 7.5 tons. Perfect for all applications where duct work is hard to get to.

Why Use Photohydroionization Technology?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria). UV light is dependable and can be easily installed in HVAC systems. Germicidal UV light is effective in reducing only the airborne micro-organisms that pass directly through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors. Photohydroionization® Advanced Oxidation, which is an active system, on the other hand, is very effective on gases, vapors, VOCs and odors within the occupied space.

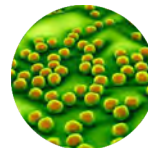
TYPICAL INSTALLATION



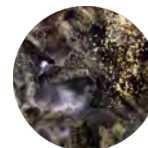
Actual lab tests showing over 99% reductions of airborne bacteria, mold, odors and virus



E-Coli



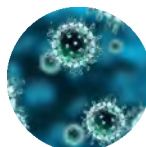
Staph



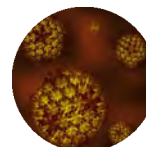
Mold



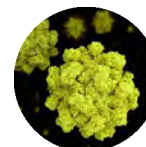
Odors



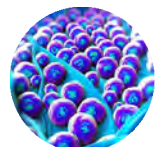
H1N1



Avian Flu



Norwalk



MRSA

The Package Unit utilizes UV light enhanced by a hydrated quad-metallic compound target which develops an advanced oxidation reaction that creates hydro-peroxides, super oxide ions and hydroxides. By engineering the proper UV light wavelength, in combination with a triple function, no maintenance unit, The PHI Cell provides safe hydrogen peroxides to purify the air. With the HVAC-PHI Cell Advanced Oxidation System, micro-organisms can be reduced by over 95%. Gases, VOCs and odors can also be reduced significantly, and the room will have hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

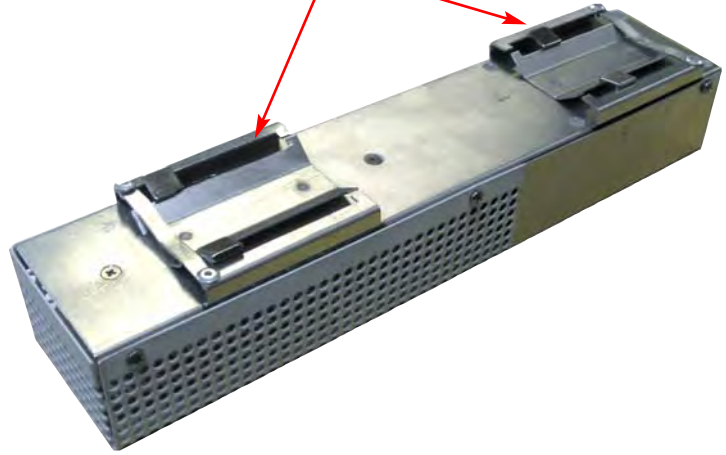
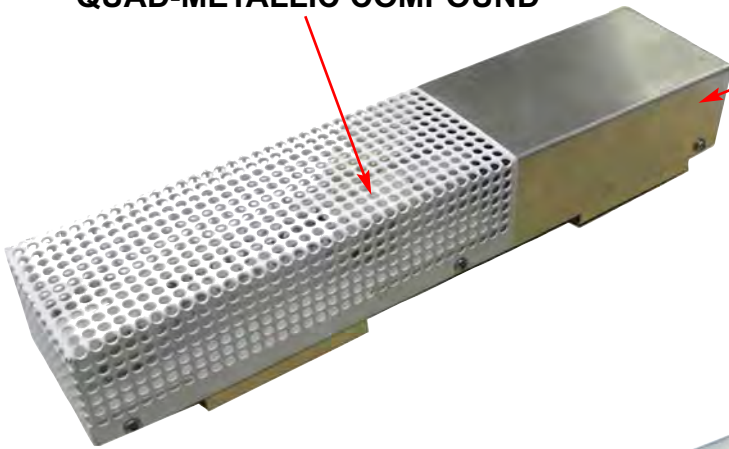
*UV, Hydro-peroxides and Ozone are recorded as effective in killing viruses however RGF has not performed clinical tests on viruses as there are thousands of strains

PACKAGE UNIT

QUAD-METALLIC COMPOUND

**BALLAST
ENCLOSURE**

SELF ADJUSTING MAGNETIC FEET



Applications:

Small Package Products
Vertical Stack Units
Roof Tops
Gas Package Products
Anywhere Ductwork is inaccessible

•Hydro-peroxides distribution:	distributed thru HVAC duct work
•Super Oxide Ion distribution:	distributed thru HVAC duct work
•Hydroxide Ion distribution:	distributed thru HVAC duct work
•Installation:	installed in HVAC package unit fan section
•Electrical:	24 VAC
•Materials:	Aluminium housing
•PHI Cell Replacement	Recommended after 2 years

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	Amps	Dimensions	Ship Wt.
PHI-PKG5-24V	250* to 1,200 CFM	Up to 3.5 ton	0.48	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	0.70	2.25"W x 13.5"L x 1.75"D	1 lbs.
PHI-PKG14-24V	3,000* to 8,000 CFM	7.5 and 20 ton	0.70	2.25"W x 18.5"L x 1.75"D	2 lbs.

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



info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

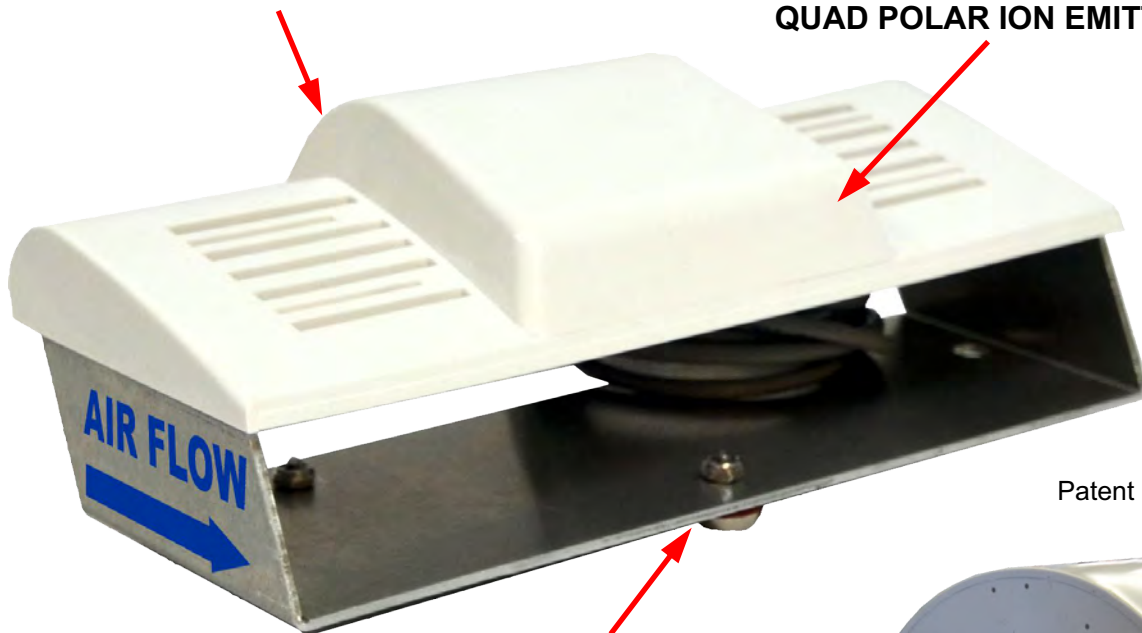
Safety Net APS

QUAD DM™ Ion Generator Air Purification System

The QUAD-DM™ Ion Generator for In-Duct HVAC units was developed to produce bi-polar ions in the conditioned space of homes and commercial buildings. This system has separated quad ion emitters for superior Bi-Polar ionization. The QUAD-DM™ reduces particulate, allergens, smoke, bacteria, viruses and mold spores. This unit is designed to be mounted in the HVAC air handler and installed using its no tools required magnetic mount for quick and easy installation. The QUAD-DM™ is a good air quality solution for the budget minded consumer.

ELECTRONICS HOUSING

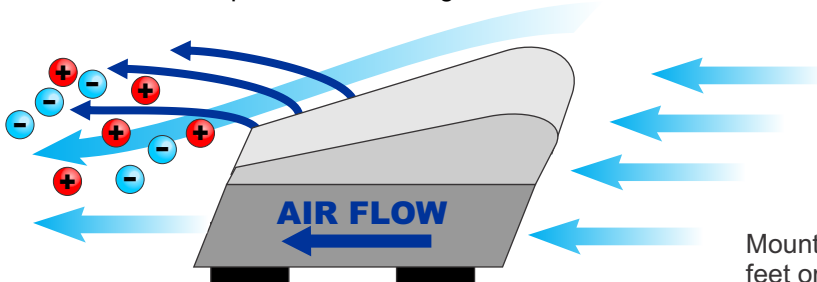
QUAD POLAR ION EMITTERS



Patent Pending

MAGNETIC MOUNT

Efficient ion dispersion and mixing via Bernoulli's effect



Mounted to blower via magnetic feet or double sided adhesive tabs for non-metallic systems.

3 year warranty

Item #	Tonnage	Electrical	Dimensions	Ship Wt.
QUAD-DM	Up to 6 tons	24 VAC	7"L x 2.5"W x 3"H	1 lbs.

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

info@safetynetamerica.com

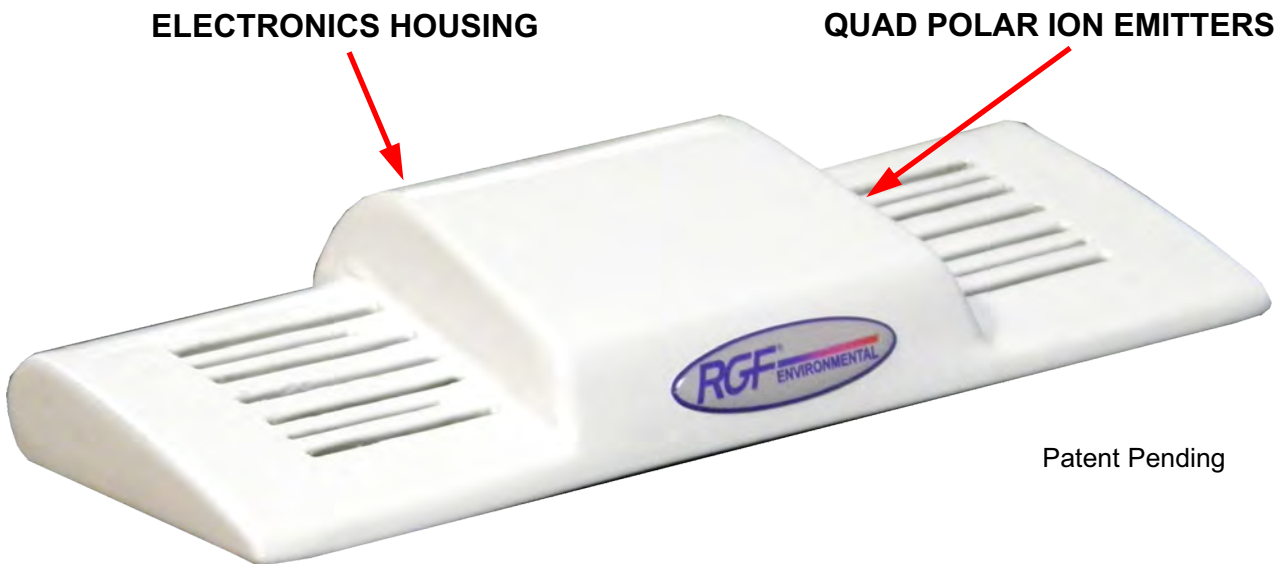
866-918-8546

www.safetynetamerica.com

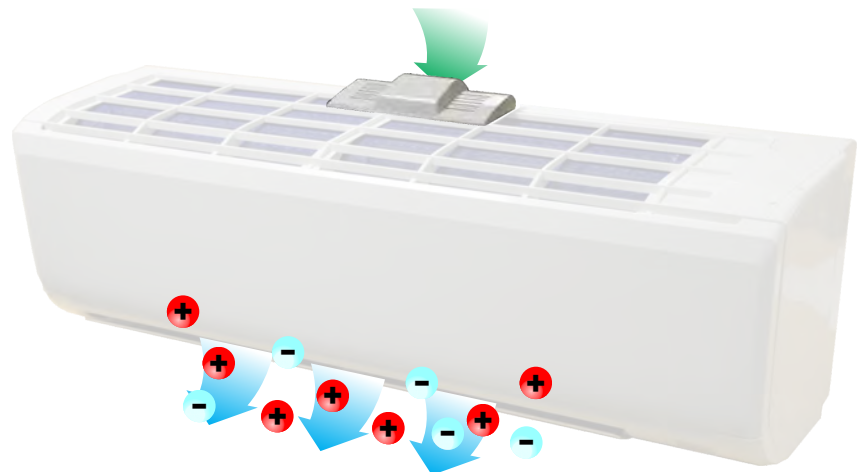
Safety Net APS

QUAD-MS™ Ion Generator Air Purification System

The QUAD-MS Ion Generator for Mini Split units was developed to produce bi-polar ions in the conditioned space of homes and commercial buildings. This system has separated quad ion emitters for superior Bi-Polar ionization. The QUAD-MS reduces particulate, allergens, smoke, bacteria, viruses and mold spores. The unit is designed to be easily mounted to the top of Mini-Split units. The QUAD-MS is a good air quality solution for the budget minded consumer.



The QUAD-MS Ion Generator attaches to mini-split HVAC units with hook and loop tabs. No modification to HVAC system is required.



3 year warranty

<i>Item #</i>	<i>Electrical</i>	<i>Dimensions</i>	<i>Ship Wt.</i>
QUAD-MS	100-277 VAC	7"L x 2.5"W x 1.5"H	1 lbs.

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

Safety Net APS

Quick Release AC Coil Ultraviolet Treatment System

The all new high quality BLU-QR® stick light has updated features including our exclusive quick release lamp which allows for no tools lamp replacement. It comes standard with four mounting options right in the box, including the easy to install magnetic mount and multiple through plate mounting styles. The BLU-QR® is priced very economically and provides UV light disinfection and protection to the AC coil surfaces from bacteria, virus, mold growth and odors. This results in a cleaner and more efficient energy-saving system.



BLU^{qr}
By RGF Environmental Group Inc.

BENEFITS

- REDUCES SYSTEM MAINTENANCE
- IMPROVES INDOOR AIR QUALITY
- REDUCES BACTERIA, MOLD AND VIRUSES
- REDUCES ODORS

FEATURES

- NO TOOLS REQUIRED INSTALLATION
- QUICK RELEASE LAMP REPLACEMENT
- 24 VAC POWER SUPPLY MOUNTS INSIDE CONTROLS
- MULTIPLE INSTALLATION OPTIONS INCLUDING MAGNETIC MOUNT

Replacement Lamps (1 year) BQR+141Y (2 year) BQR+142Y



Conforms to:
UL-1598-09:2009
CAN/CSA-C22.2 No. 250.0:2008
EN 60335-2-65:2003

Item #	Electrical	Dimensions	Ship Wt.
BLU-QR	24 VAC	18"L x 3"W x 3"H	1 lbs.
BLU-QR2 (2 year lamp)	"	"	"

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

Safety Net APS

PTAC HVAC Air Purification System ***A Photohydroionization® (PHI) Technology***



The **PTAC PHI Cell** is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses. The PTAC HVAC-PHI Systems are easily mounted into air conditioning unit without modification. When the HVAC system is in operation the PTAC 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/destruction of the pollutant.

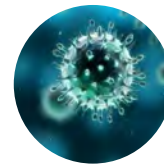
Why Use Photohydroionization® Technology ?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria). UV light is dependable and can be easily installed in HVAC ducts or a plenum. Germicidal UV light is effective in reducing only the airborne micro-organisms that pass directly through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors. Photohydroionization Advanced Oxidation, on the other hand, is very effective on gases, vapors, VOCs and odors.

Designed for PTAC HVAC systems commonly found in hotel and motel rooms



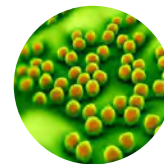
Partial lab test results 99% reductions



H1N1



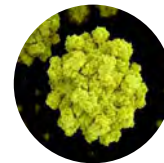
MRSA



Staph



Strep



Norwalk



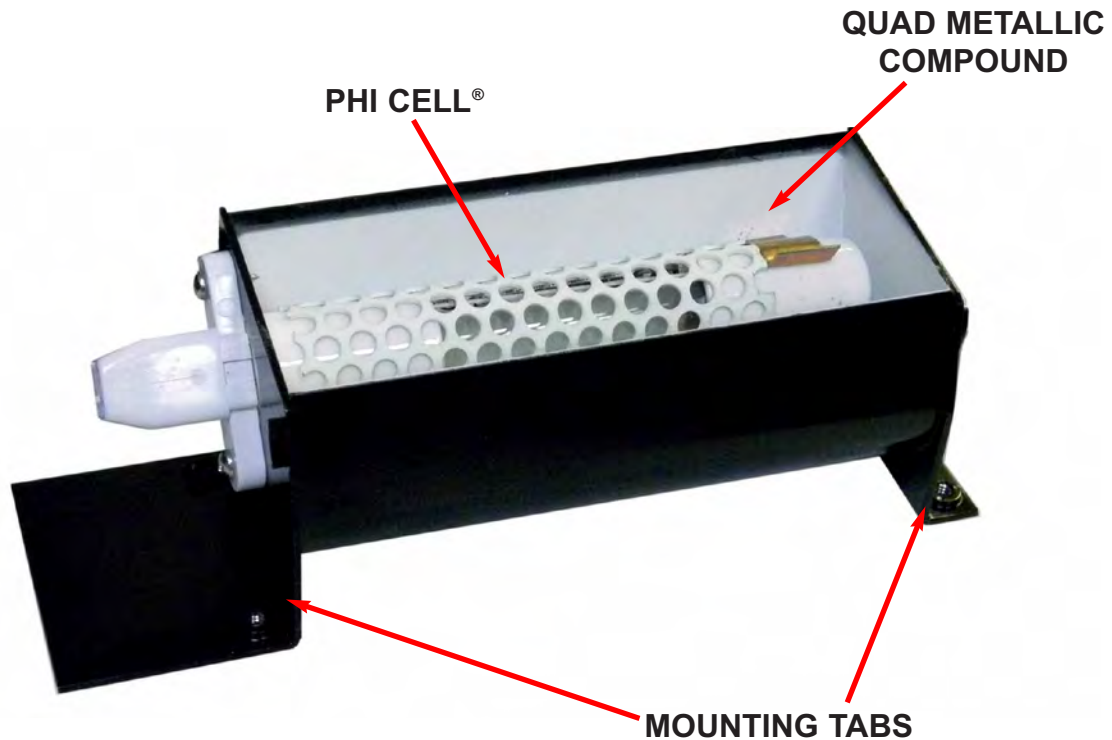
Listeria

Sneeze test 99% reduction at 3 feet

UV light enhanced by a hydrated quad-metallic compound target develops an advanced oxidation reaction that creates an Advanced Oxidation Process. This process also produces hydro-peroxides, super oxide ions and hydroxides. By engineering the proper UV light wavelength, in combination with a triple function, no maintenance unit, The PHI Cell® provides safe AOP to purify the air.

With the HVAC PHI Cell® Advanced Oxidation System, micro-organisms can be reduced by over 99%. Gases, VOCs and odors can also be reduced significantly, and the room will have hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

PTAC PHI CELL



•Hydro-peroxides:	Distributed thru PTAC vents throughout room
•Super Oxide Ion:	Distributed thru PTAC vents throughout room
•Hydroxide Ion:	Distributed thru PTAC vents throughout room
•Installation:	Installed inside of PTAC unit
•Electrical:	220 VAC
•Materials:	Aluminum and polymers
•PHI Cell Replacement	Recommended after 2 years

The **PTAC PHI Cell®** unit size is scaled to accommodate the various air flow rates of different PTAC systems.

Note: It is recommended these units be installed by a HVAC professional.

Item #	HVAC Air Blower Size	Approx. Sq. Feet	Dimensions	Ship Wt.
PTAC-HVAC-PHI-12	250 to 500 CFM	Up to 1,000	8"W x 3"D x 3"H	1 lbs.

Safety Net APS

Mini Split HVAC Air Purification System **A Photohydroionization® (PHI) Technology**



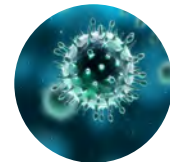
Patent Pending

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.

Why Use Photohydroionization® Technology ?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria). UV light is dependable and can be easily installed in HVAC ducts or a plenum. Germicidal UV light is effective in reducing only the airborne micro-organisms that pass directly through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors. Photohydroionization® Advanced Oxidation, on the other hand, is very effective on gases, vapors, VOCs and odors.

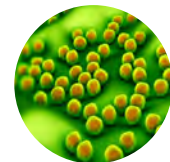
Partial lab test results 99% reductions



H1N1



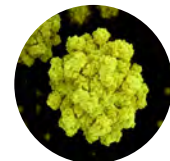
MRSA



Staph



Strep



Norwalk



Listeria

Sneeze test 99% reduction at 3 feet

UV light enhanced by a hydrated quad-metallic compound target develops an advanced oxidation reaction that creates an Advanced Oxidation Process. This process also produces hydro-peroxides, super oxide ions and hydroxides. By engineering the proper UV light wavelength, in combination with a triple function, no maintenance unit, The PHI Cell® provides safe AOP to purify the air.

With the HVAC-PHI Cell Advanced Oxidation System, micro-organisms can be reduced by over 99%. Gases, VOCs and odors can also be reduced significantly, and the room will have hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

MINI SPLIT PHI CELL



- Hydro-peroxides distribution:** distributed thru mini split vents
- Super Oxide Ion distribution:** distributed thru mini split vents
- Hydroxide Ion distribution:** distributed thru mini split vents
- Installation:** installed on top of mini split
- Electrical:** 220 VAC
- Materials:** Aluminum frame and polymer filter
- PHI Cell Replacement** Recommended after 2 years

The **Mini Split PHI Cell** 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 HVAC professional.

<i>Item #</i>	<i>HVAC Air Blower Size</i>	<i>Approx. Sq. Feet</i>	<i>Dimensions</i>	<i>Ship Wt.</i>
MINI-SPLIT-HVAC-PHI-230	250* to 6,500 SCFM	Up to 1,000	30"W x 2.5"D x 1.25"H	3 lbs.

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

Safety Net APS

Condensate Pan Microbial Reduction Unit



The **Pan Saver®** is designed to eliminate microbial growth in HVAC system condensate pans and drain lines. Utilizing a micro turbine which is driven by the suction side of the system blower, low voltage is produced and sent to the anode which disperses silver and copper ions into the condensate water.

MAINTENANCE FREE FOR 2 YEARS

**Totally Green Product
Consumes No Electricity**

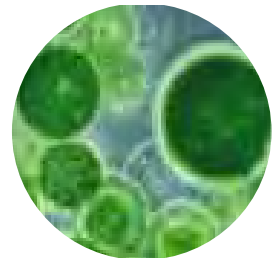
Simple magnetic mount installation



Pan Saver lab test results showed 99% reductions of microbes including Legionella



Legionella



Algae



SPECIFICATIONS

•Installation:	Installed inside plenum on blower
•Materials:	Aluminum and polymers
•Warranty:	2 years on parts

<i>Item #</i>	<i>HVAC Air Blower Size</i>	<i>Dimensions</i>	<i>Ship Wt.</i>
PS-12	Up to 5 tons	4"W x 4"D x 12"H	1 lbs.

DESLIMER[®]

HVAC Drain Service Tool



A Professional, Effective and Low Cost Way To Clean HVAC Condensate Drains

SPECIFICATIONS

Dimensions:	base 11" wide tube diameter 2.5" 22" tall
Weight:	5 lbs.
Material:	Welded aluminum

Replacement parts

HA-320 (Bana-N-Seal) Requires 2
HA-319 (Bronze Bushing) Requires 1

5 Minutes To Thoroughly Clean Any Drain

A "Green" Device Manual Operation No Electricity

Saves \$\$\$ Reduces Call Backs

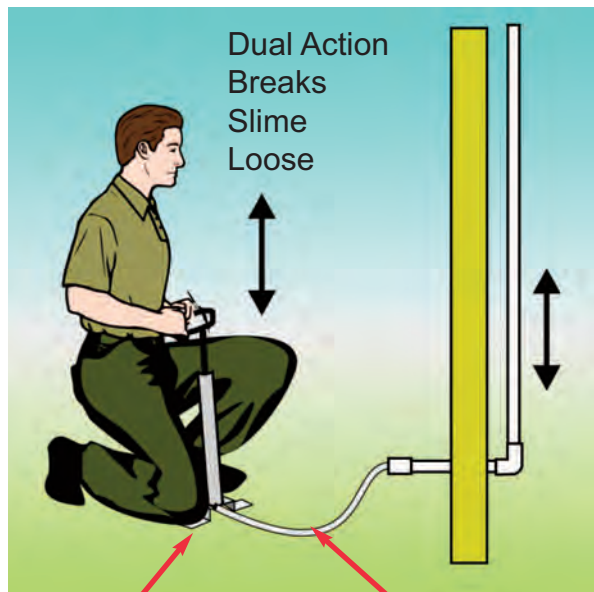
Dual Action Breaks Up Slime

Easy To Use

Lab Proven To Be The Most Efficient Way To Clean A Drain

Limited Lifetime Warranty

BENEFITS



Single Hand and Foot or Dual Hand Operation

Clear Hose To Monitor Progress

- **Gets all debris in line moving towards pipe outlet**
- **Small size makes hard to reach drains easy**
- **Corrosion proof**

THE PROBLEM



Carrying bulky shop vac to jobs and up into attics etc.



Finding an electrical outlet

Buying 4 to 5 shop vacs a year.

Making follow up service call when one dies midway through a job.



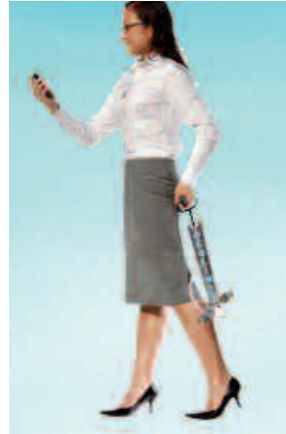
Not getting all the goop. One way suction doesn't break the bond of the goop.



Shop vacs are bulky and hard to get into tight locations.

Shop vacs do not present a professional appearance.

THE SOLUTION



Easy to carry, light weight.

No outlet required.



Lifetime warranty.



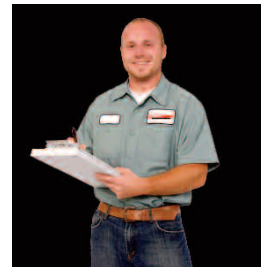
Dual action fully cleans pipe.



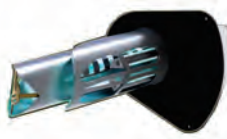
No stocking or transporting of gases.

Easy to get into tight locations with one or both hands.

Looks very professional.



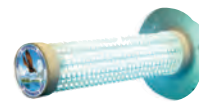
Safety Net APS Products For The HVAC Industry



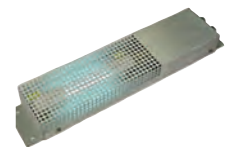
Safety Net APS REME HVAC Cell APS® or Reflective Electro Magnetic Energy utilizes an electromagnetic energy cell to

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 APS run 24/7 without wiring to the fan/blower circuit.

Guardian Air QR™ 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.



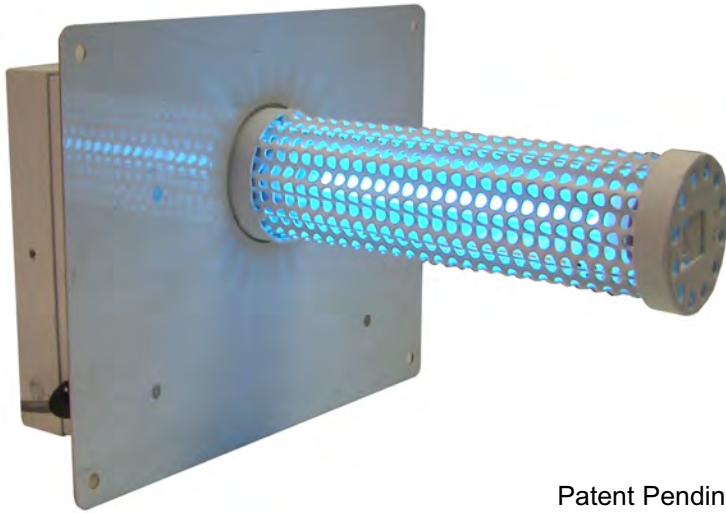
Mini PHI Cell® features the same technology as the Guardian Air™ but is designed to fit into smaller HVAC systems such as PTAKS – Fan coils and unit ventilators.



To view the demonstration video go to
http://www.youtube.com/watch?v=KJqL5i0BB_4

Safety Net APS

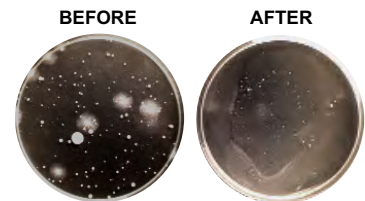
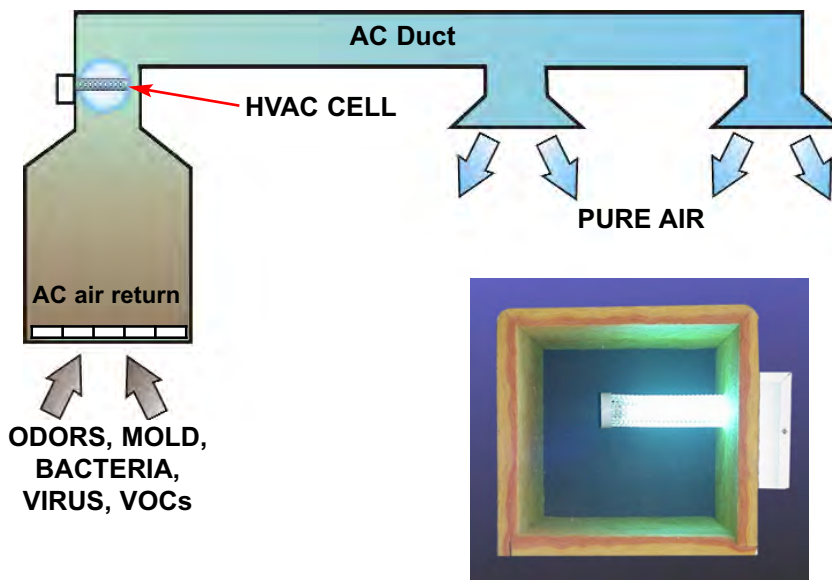
Light Commercial AC/Heat Duct Air Purification System **A Photohydroionization® (PHI) Technology**



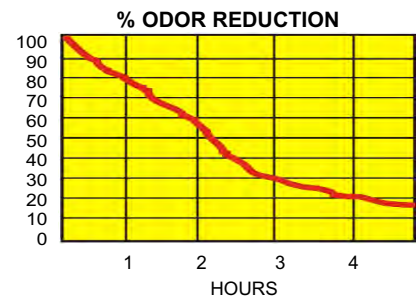
The **HVAC PHI Cell** is designed to eliminate sick building syndrome risks by reducing odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses*. The HVAC-PHI Cells are easily mounted into air conditioning and heating systems air ducts where most sick building problems start. When 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. These oxidizers and the UV energy kill microbes in the HVAC unit and also throughout the room at the source of contamination

Why Use Photohydroionization® Technology ?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria). UV light is dependable and can be easily installed in HVAC ducts or a plenum. Germicidal UV light is effective in reducing only the airborne micro-organisms that pass directly through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors. Photohydroionization Advanced Oxidation, on the other hand, is very effective on gases, vapors, VOCs and odors in the room at the source of contamination.



Actual lab tests showing up to 90% reductions of airborne bacteria and mold

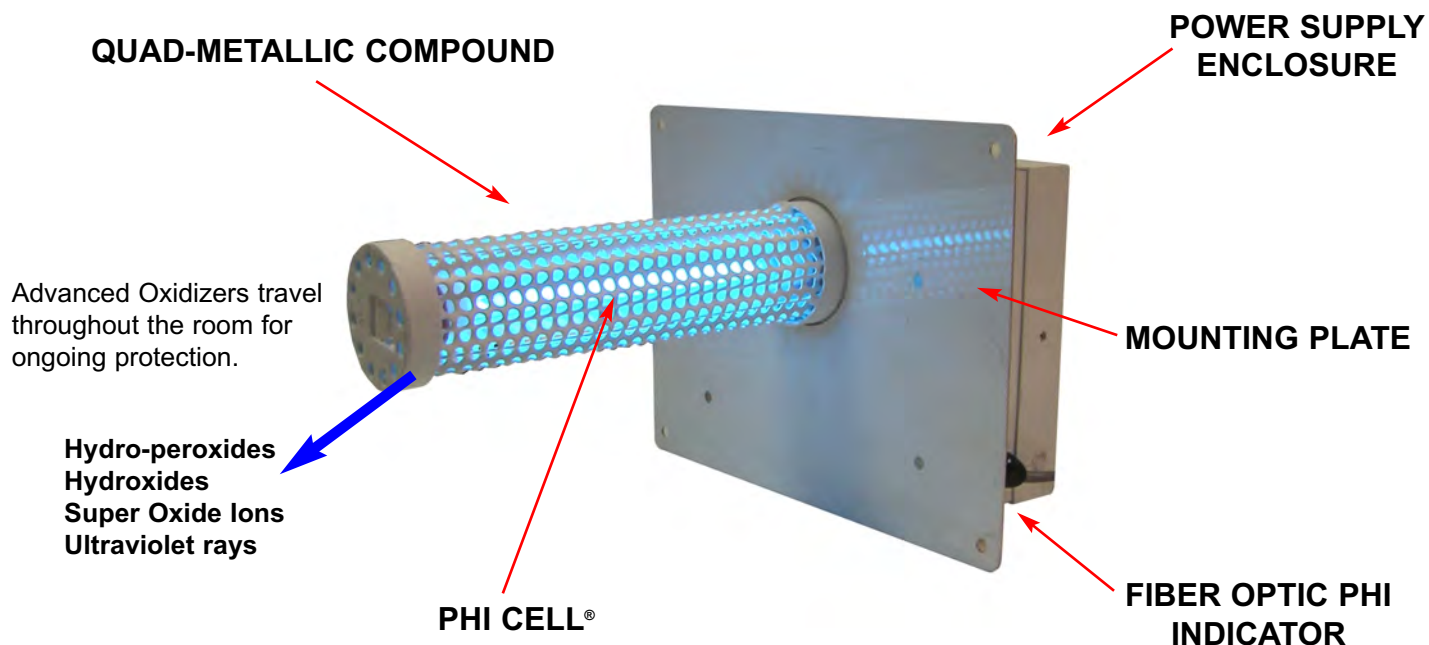


UV light enhanced by a hydrated quad-metallic compound target develops an advanced oxidation reaction that creates an Advanced Oxidation Process. This process also produces hydro-peroxides, super oxide ions and hydroxides. By engineering the proper UV light wavelength, in combination with a triple function, no maintenance unit, The PHI Cell provides safe AOP to purify the air.

With the RGF HVAC-PHI Cell® Advanced Oxidation System, micro-organisms can be reduced by over 95%. Gases, VOCs and odors can also be reduced significantly, and the room will have hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

*UV and Hydro-peroxides are recorded as effective in killing viruses however RGF has not performed clinical tests on viruses as there are thousands of strains

LIGHT COMMERCIAL PHI CELL



•Hydro-peroxides distribution:	distributed thru air handler
•Super Oxide Ion distribution:	distributed thru air handler
•Hydroxide Ion distribution:	distributed thru air handler
•Installation:	installed in hvac duct or plenum
•Electrical:	220 VAC 60 Hz 50-90 watts
•Materials:	Stainless steel housing
•PHI Cell Replacement	Recommended after 25,000 hrs

The **PHI Cell®** 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 (SCFM) 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#
LC-14HO-GA-26	18,000 to 26,000 CFM	14" probe / 7"x9" plate	3 lbs.	PHIC-14C

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

info@safetynetamerica.com

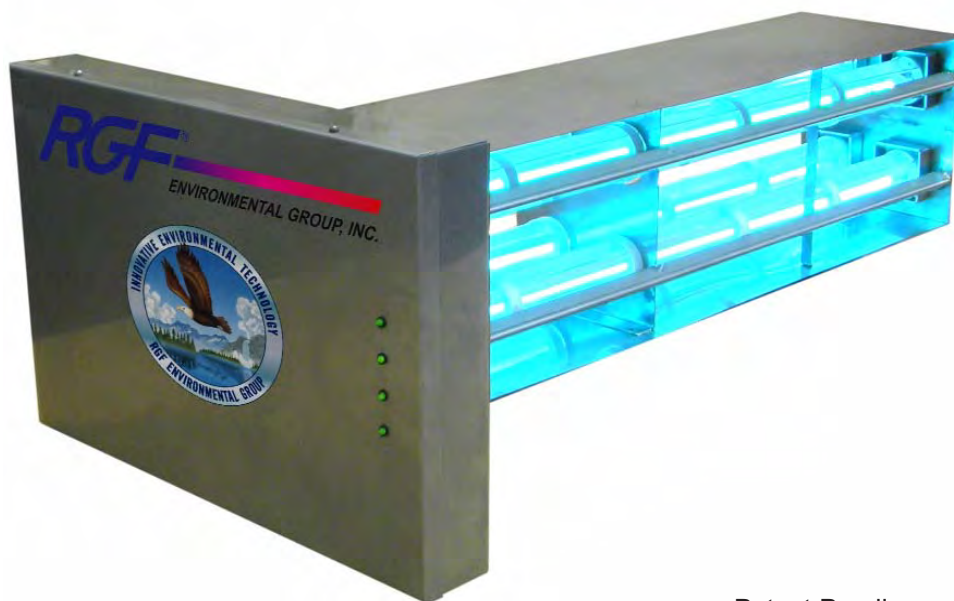
866-918-8546

www.safetynetamerica.com

Safety Net APS

COMMERCIAL PHI UNIT

A Photohydroionization® (PHI) Technology

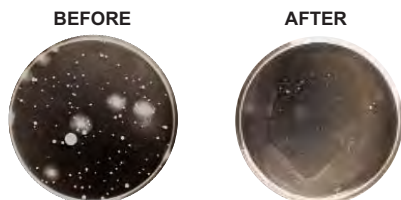


Patent Pending

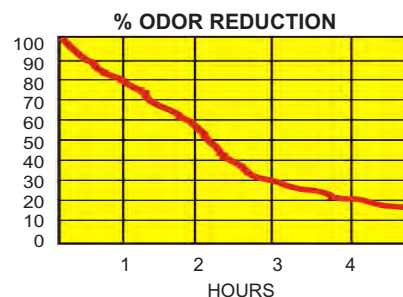
The **Commercial PHI Unit** is designed to reduce odors, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses. The unit is easily mounted into air conditioning and heating system air ducts where most sick building problems start. When the HVAC system is in operation the **Commercial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

Why Use Photohydroionization® Technology ?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying micro-organisms (germs, viruses, bacteria). UV light is dependable and can be easily installed in HVAC ducts or a plenum. Germicidal UV light is effective in reducing only the airborne micro-organisms that pass directly through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors. Photohydroionization Advanced Oxidation, on the other hand, is very effective on gases, vapors, VOCs and odors.



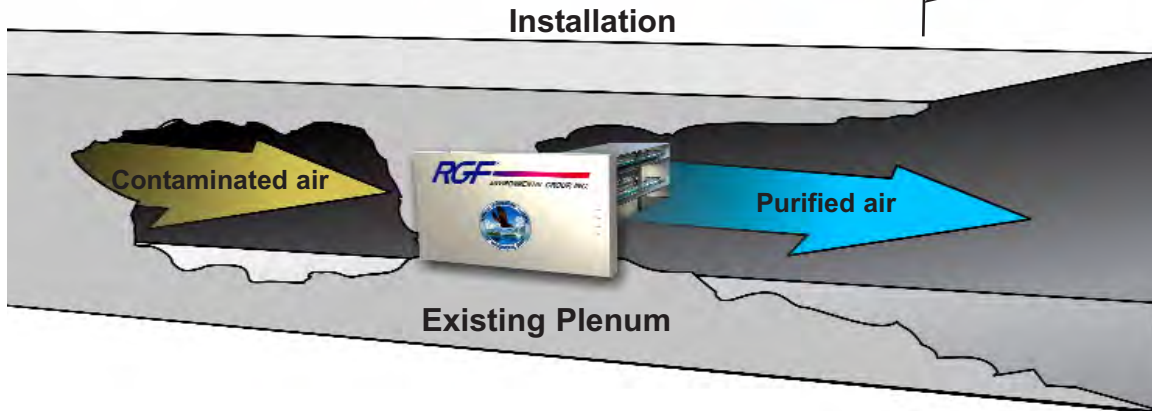
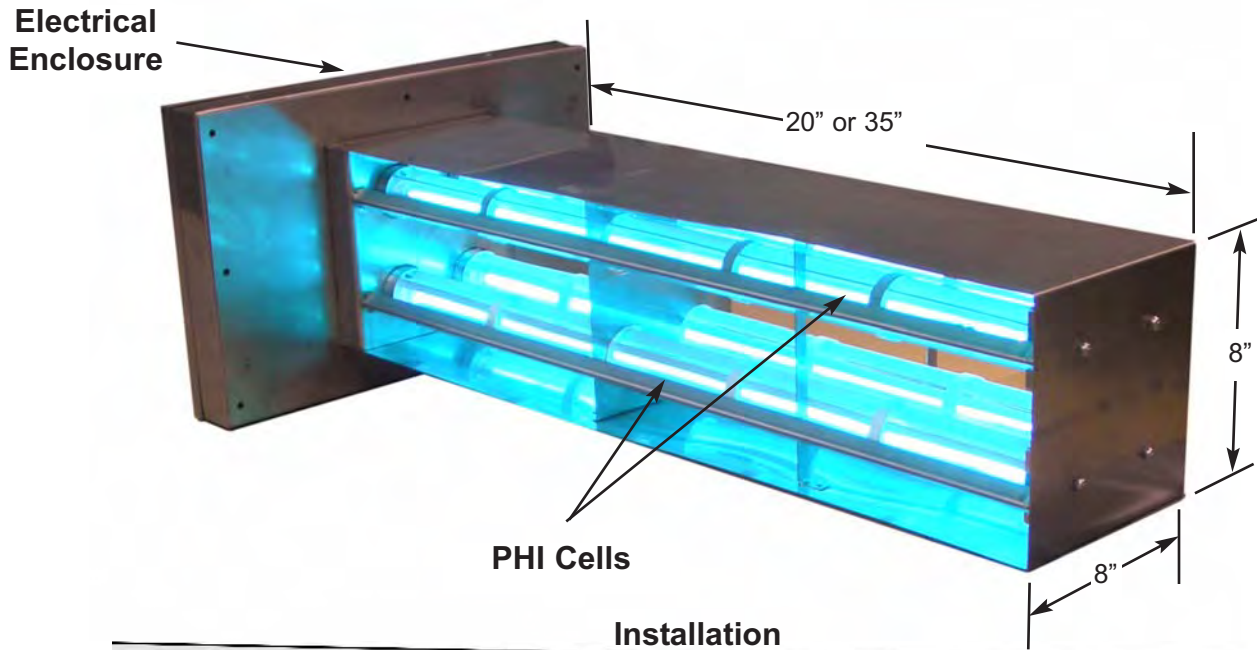
Actual lab tests showing up to 97% reductions of airborne bacteria and mold



The combination of safe low level ozone (O_3) and UV light enhanced by a hydrated quad-metallic compound target develops an advanced oxidation reaction that creates as well as reduces ozone to safe low levels. This process also produces hydro-peroxides, super oxide ions, ozonide ions and hydroxides. By engineering the proper UV light wavelength, in combination with a triple function, no maintenance unit, The PHI Cell® provides safe hydro-peroxides, super oxide ions, ozonide ions and hydroxides to purify the air.

With the HVAC-PHI Cell® 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 ozonide ions, hydro-peroxides, super oxide ion and hydroxides which will help give your room fresh, clean and odor free air.

Commercial PHI



Engineered to fit specific cfm applications in large commercial and industrial environments

Commercial 20 - Housing is 20" L	# of cells	Length of cell	CFM Coverage	Tonnage
CML-25	1	14"	9,730	25
CML-50	2	14"	19,460	50
CML-75	3	14"	29,120	75
CML-100	4	14"	38,920	100
Commercial 35 - Housing is 35" L	# of 35" cells	# of 14" cells	CFM Coverage	Tonnage
CML-65	1	0	25,020	65
CML-90	1	1	34,750	90
CML-115	1	2	44,480	115
CML-140	1	3	54,210	140
CML-125	2	0	50,040	125
CML-150	2	1	59,770	150
CML-180	2	2	69,500	180
CML-190	3	0	75,060	190
CML-215	3	1	84,790	215
CML-250	4	0	100,080	250

Safety Net APS

Professional
Installation
Required

Commercial
Marine Grade
Product

Quick Release AC Coil Ultra Violet Treatment System

The Quick Release Twin 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.

A Low
Energy
Non-chemical
Enviro-friendly
Green
Product



Model # BQR-TS-24

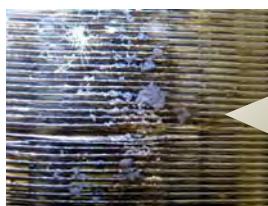
**Universal mounting bracket includes magnetic, mechanical and self adhesive mounting options.
(Variable degree angle option)**

UV treatment systems installed in an air conditioner coil utilize a standard UV-C 254 nm wavelength bulb. UV-C has been used as a disinfectant since the 1930s and is still used in medical, pharmaceutical and industrial applications. RGF has been a leader in the use of UV in the medical, food and industrial applications for over 25 years with senior staff experience dating back to the 1960s.

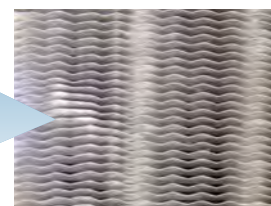
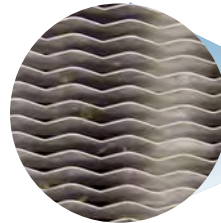
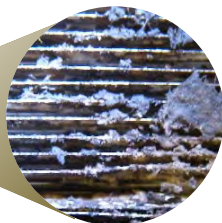
SPECIFICATIONS

Electrical	24 VAC Ballast (18-32 volt input range) .7 amps @ 24 VAC (16.8 VA)
UV Output:	100% Germicidal UV-C Light (254nm wavelength)
Warranty:	Two (2) years
Mounting Depth:	18"
Mounting Plate:	3" diameter
Mounting Hole:	1-3/8" diameter

Why Do I Need The Quick Release Twin Stick Lite+?

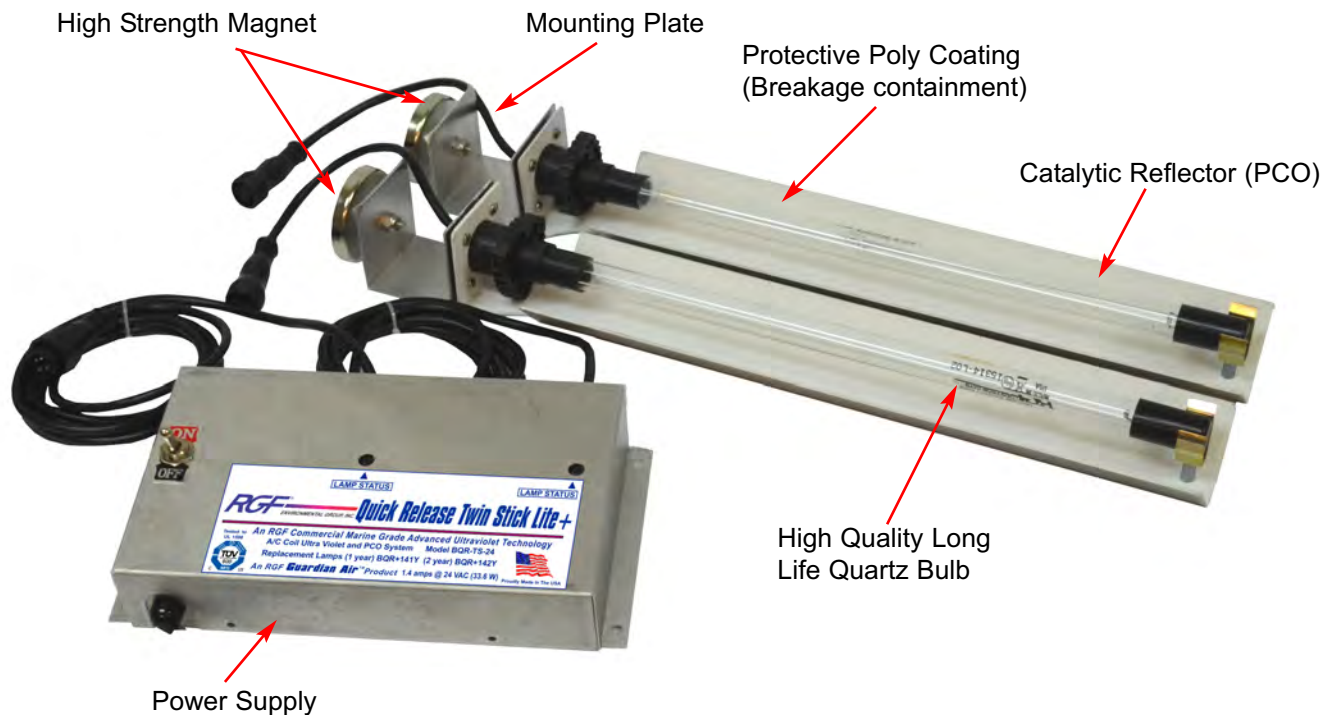


Coil without Twin Stick Lite+



Coil with Twin Stick Lite+

Quick Release Twin Stick Lite



How does Ultraviolet (UV) Work?

UV-C functions by breaking up the DNA of micro-organisms thereby rendering them harmless. UV-C or "stick lights" as they are known in the AC business have been popular for the past 10 years. At this time in the product cycle, they are known as a "mature product" or "commodity" considering there are dozens of companies making UV-C stick lights, all using the same basic technology, a UV-C 254 nm bulb! Many, for competitive reasons, have resorted to exaggerated claims, such as airborne virus and bacteria kills, also, medical and allergy claims. In addition, many have bypassed safety issues for cost cutting. These have been overwhelmingly condemned by professional IAQ engineers and all HVAC professional publications.

UV-C can kill airborne microbials, but it takes many bulbs in engineered systems. RGF does this engineering for industrial applications. Often RGF has to double the AC system to overcome the heat from all the UV bulbs needed to make a noticeable airborne kill rate. This is just not practical in a residential system. Responsible professionals all agree UV stick lights work on AC coil surfaces and can prevent microbial growth on the coil. This is RGF UV-C's only claim.

How is the Quick Release Twin Stick Lite+ Different?

Now UV-C light enhanced with a catalyst or advanced UV can also reduce VOC's and odors. This is the ultimate UV stick light, increasing UV energy due to the high-intensity reflective metal oxides while also providing catalytic oxidation of odors and VOC's. This is the RGF Advantage.



Conforms to:
UL-1598-09:2009
CAN/CSA-C22.2 No. 250.0:2008
EN 60335-2-65:2003

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

Safety Net APS

Refrigerator Sanitizer and Food Life Extender System

A Photohydroionization® Technology

Up to 40% Increase
of Food Shelf Life
Reduces odors 80%



Average family
wastes 30% of
refrigerated food due
to spoilage

Patent Pending

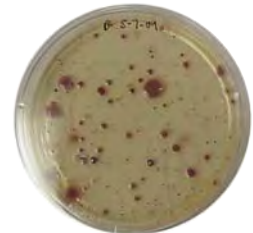
The Refrigerator Sanitizer and Food Life Extender is designed to eliminate odors, air pollutants, VOCs (chemical odors), mold bacteria and viruses. The Refrigerator Sanitizer and Food Life Extender is easily mounted without the need of tools or modifications to your refrigerator. The Refrigerator Sanitizer and Food Life Extender 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.

Why Use Photohydroionization®Technology ?

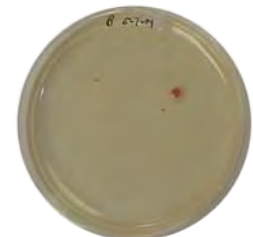
With a Photohydroionization® Generator Advanced Oxidation System, micro-organisms can be reduced by over 99%. Gases, VOCs, odors and particulate (dust) can also be reduced significantly. Charged Advanced Oxidation Plasma will be carried throughout for a continuous purification process and a quick kill of newly introduced odors or microbials.



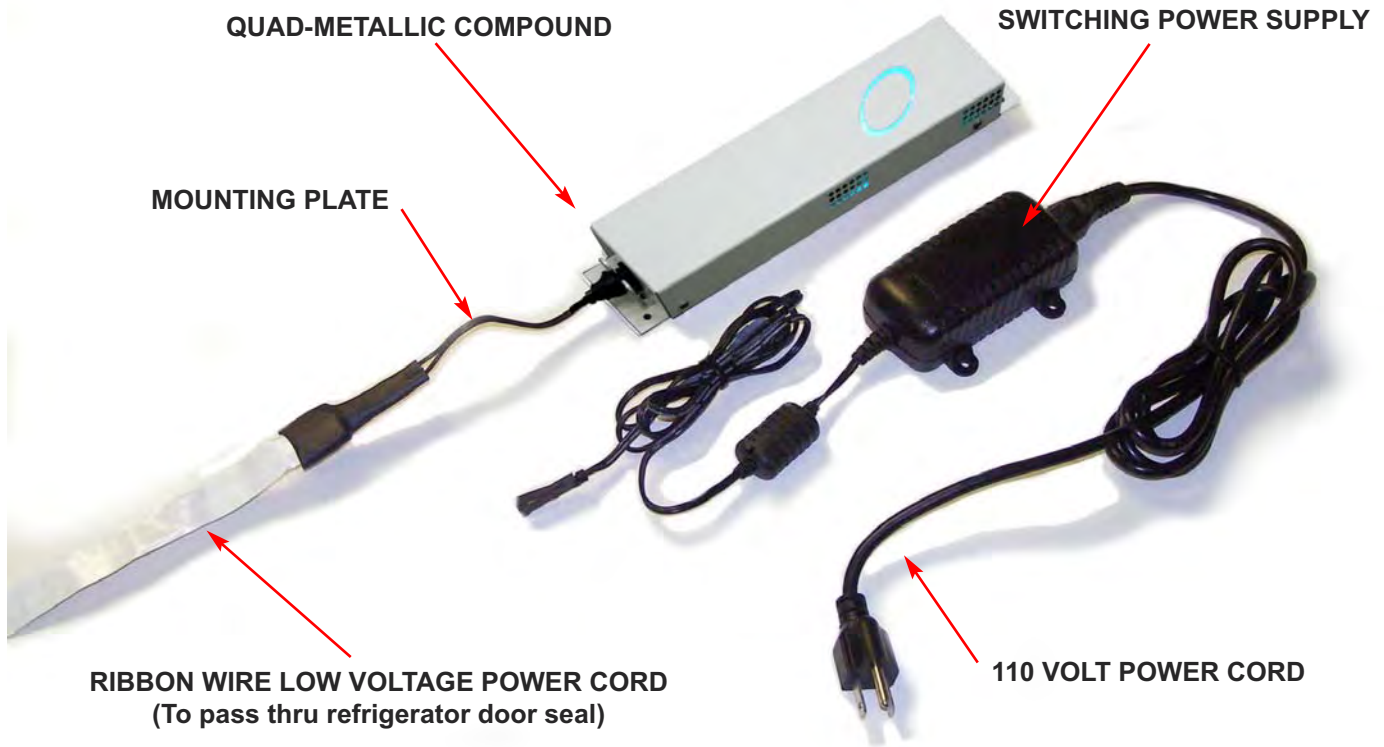
BEFORE



AFTER



Actual lab tests showing up
to 95% reductions of
foodborne bacteria



•Installation:	Installed in refrigerator
•Electrical:	12 VDC Input 100-240 VAC Switching Power Supply
•Materials:	Aluminium housing
•PHI Cell Replacement	Recommended after 25,000 hrs

The **RGF Refrigerator Sanitizer and Food Life Extender** unit size is scaled into any refrigerator even small mini fridges

Item #	Approx. Cu. Feet	Dimensions	Ship Wt.
RS-RCI-12	Up to 100	2.25"W x 10.5"L x 1.25"D	1 lbs.



Safety Net APS

Commercial Air Purification and Odor Destruction System ***A Photohydroionization® (PHI) Technology***

Model 1000

Ideal for building managers, fire / flood restoration, hotel rooms, and apartments. Can be used to effectively treat most problem odor areas.



Order: TB1000-16

Model 7000



Order: TB7000-16

Patent Pending

THE TURBOZONE® LINE OF LOW COST ADVANCED OXIDATION/OZONE GENERATORS IS DESIGNED TO DESTROY, NOT COVER UP, THE FOLLOWING:

Chemical Fumes
Cleaning Chemical Odors
Cooking Odors
Decaying Organic Matter

Fire & Smoke
Garbage
Hydrocarbons
Mold & Mildew

Paint
Pet Odors
Sewer Odors
Volatile Organic Compounds

OUR PORTABLE, LIGHTWEIGHT MODELS ARE IDEAL FOR:

Agriculture
Airplanes
Apartments/Condos
Automobiles
Buses
Carpet Cleaning

Dry Cleaners
Dumpsters
Fire & Flood Restoration
Fitness Facilities
Food Services
Hotels/Motels/Resorts

Janitorial Services
Municipal Facilities
Office Buildings
Restaurants
Schools & Universities
Yachts & Boats

TURBOZONE® OUTSTANDING FEATURES

- RGF has been an international Leader in Innovative Environmental Systems since 1985
- Turbozone® is EPA registered No. 67400-FL-001
- All units are maintenance free.
- Turbozone® has a full 2 year parts and labor warranty. 1 year on cell.
- We will perform a free unit safety inspection.
- Leaves no chemical residue
- We offer a full ozone training manual.
- For high level non-occupied treatment.
- Helps control air pollution and sick building syndrome.
- Turbozone® utilizes our proprietary Photohydroionization® process which targets high intensity uv light on a hydrated quad-metallic target in an ozone atmosphere which creates hydro-peroxides, ozonide ions hydroxides and super oxide ions.
- Fully automatic, easy to use, versatile and portable.
- Operates unattended with built in timing device.
- Low power consumption, plugs into a 110V standard outlet.
- No costly and complicated chemicals or additives.
- All brushed stainless steel

Formula for Calculating Air Treatment Times

Calculate Area to be treated-

Square Ft. x Height of Room = Cubic Ft.

Cubic Ft. divided by Cubic Feet per Minute (CFM rating of unit)

Minutes divided by 60 = Hours to turn air in room over 1 time*

Example For Model 1000

10'L x 12' W x 8' H room =960 cu Ft

960 cu ft divided by 45 cfm = 21 min to turn room air over 1 time

***RGF suggests 3 turnovers of room volume for complete treatment**

The amount of time necessary to treat an area with advanced oxidation and ozone depends upon the temperature, humidity level and the amount of reactive substances (odors).

SPECIFICATIONS

	MODEL 1000	MODEL 7000
Fan Volume at Discharge	45 CFM	65 CFM
Ozone Concentration at Discharge	13.5 PPM *	45 PPM *
Ozone Output	1650 MG/Hr	10,880 MG/Hr
Weight	12 lbs.	36 lbs.
Dimensions	26"L x 13"W x 15"H	43"L x 13"W x 15"H
Target	Hydrated Tri-metallic	Hydrated Tri-metallic
Approximate UVChamber life	10,000 Hrs	10,000 Hrs
Voltage	110 volt	110 volt
Total Electrical	1.25 amp	2 amps
UV Chamber Electrical	.75 amp	1 amp
Fan Electrical	.5 amp	1 amp
Material/Finish	Stainless steel	Stainless steel
Controls	On/Off Light 12 Hour Timer	On/Off Light 12 Hour Timer
Ultraviolet Chamber	Electrically Excited Krypton Gas	Electrically Excited Krypton Gas
Replacement PHI Cell Part#	(2) PHIC-14HOA	(4) PHIC-36HOA

*Ozone output tested at 80 degrees F and 40% relative humidity

Large Industrial Systems Available

info@safetynetamerica.com

866-918-8546

www.safetynetamerica.com

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network

Rapid Recovery Unit®

Safety Net APS

Rapid Recovery Air Purification and Odor Destruction System

A Photohydroionization® (PHI) Technology

Ideal for duct cleaning, hotel and motel rooms, suites and apartments. Can be used to rapidly and effectively treat many problem odor areas during daily maintenance and cleaning operations.



THE *RAPID RECOVERY UNIT®* ADVANCED OXIDATION GENERATOR IS DESIGNED TO DESTROY, NOT COVER UP, THE FOLLOWING ODORS:

Tobacco Odors
Chemical Fumes
Cleaning Chemical Odors
Cooking Odors
Decaying Organic Matter

Mold & Mildew
Paint Odors
Pet Odors
Sewer Odors
Volatile Organic Compounds

IN ADDITION TO DUCT CLEANING, THE LIGHTWEIGHT UNIT IS IDEAL FOR:

Hotels/Motels/Resorts
Airplanes/Automobiles
Apartments/Condos

Fitness Facilities
Restaurants
Buses

Offices
Schools & Universities
Yachts & Boats

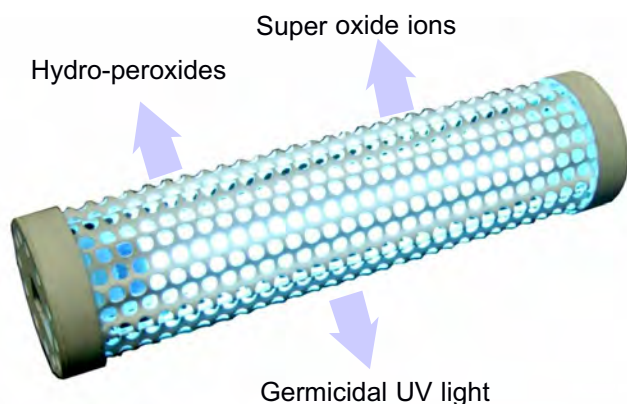
Photohydroionization® Cell Module

An advanced oxidation reaction occurs when light energy from the **ultraviolet (UV) cell** reacts with the air, and a hydrated **quad-metallic catalyst**. This reaction creates cleansing ions, such as hydroperoxides and super oxide ions, which are exhausted from the system into the surrounding air.

The **Rapid Recovery Unit®** can easily be placed into your return vent, and used to reduce mold, microbes, and gases. Once the unit is activated it will quickly and efficiently clean your duct work, in as little as 30 minutes for an average size home. The treatment of your ducts include:

- suppression of bacterial growth (bacteriostatic)
- suppression of mold growth (mycostatic)
- reduction of odors
- reduction of chemicals (VOCs)

PHI Cell



In addition to the PHI Effect the Rapid Recovery Unit® also utilizes Odor Absorbing Media Filter.

Filtration is not the core method utilized to reduce or eliminate odors. It is the advanced oxidizers, created by the PHI cells that actively treat the air external to the unit. The media filter cartridge enhances the speed and efficacy of the system by reducing gross particulate (e.g., smoke).

FAQs

Q: How does the Rapid Recovery Unit® actually work?

A: RGF has developed a proprietary technology known as Photohydroionization® or PHI technology. This technology creates an advanced oxidation reaction that eliminates odors, mold, viruses, bacteria and other pathogens without causing any harm to the occupants or the environment. This process features a broad spectrum UV light and a quad metallic target that combine to generate nature's friendly oxidizers: Hydroxides, Hydro-peroxides and Super oxide ions. These are all called friendly oxidizers as they return to oxygen and hydrogen after making contact and destroying pathogens. They do not create chemicals that remain in the air, nor are they harmful to humans.

Q: Is the Rapid Recovery unit® safe, does it use any chemicals?

A: The RRU is both safe to people, pets and the environment. Photohydroionization® process has been approved by the USDA-FDA-FSIS for food processing. This process produces no residual chemicals, just friendly oxidizers.

Q: If I am using the Rapid Recovery Unit® for duct cleaning, can I clean the duct work and run the RRU simultaneously?

A: Yes, The Rapid Recovery Unit® is safe to use while you are cleaning the duct work.

Q: Can the Rapid Recovery Unit® help me sell other RGF® products?

A: Yes, if you clean a customer's duct work and the customer likes how clean and fresh the air is inside the conditioned space, you can suggest one of our Guardian Air Products to be installed in there air handler, so that the customer can have that fresh smell everyday.

Q: What applications can the Rapid Recovery Unit® be used for?

A: Duct Work Cleaning - Hotel Rooms - Car or Truck Cleaning - Room Recovery and Remediation

Q: Does the Rapid Recovery Unit® produce a smell in the air?

A: As a matter of fact it does, it has the smell of pure air. Another way of saying this, when you take all of the contaminants out of the air, what's left is clean pure air.

SPECIFICATIONS

Fan Volume at Discharge	88 CFM
Weight	12 lbs.
Dimensions	26"L x 13"W x 15"H
Target	Hydrated Tri-metallic
Approximate UV Chamber life	10,000 Hrs
Voltage	110 volt
Total Electrical	1.25 amp
UV Chamber Electrical	.75 amp
Fan Electrical	.65 amp
Material/Finish	Stainless steel
Controls	On/Off Light 12 Hour Timer Hour Meter
Ultraviolet Chamber	Electrically Excited Krypton Gas
Replacement PHI Cell Part#	(2) PHIC-9A

Large Industrial Systems Available

info@safetynetamerica.com
866-918-8546
www.safetynetamerica.com

Safety Net APS

Commercial Air Purification System

A Photohydroionization® (PHI) Technology



Patent Pending

Reduces Airborne

- Smoke •Mildew / Mold
- Odors •Bacteria •Viruses* •VOCs

Effectively Reduces

- Grease & Oils- (Restaurants, Bars)
- Mercury - (Dental offices, Labs)
- VOC's - (Chemical odors)

Benefits

- Economical
- Low Maintenance
- 10,000 Hour Cell Life
- Light weight
- Compact
- Versatile

Ideal for restaurants, bars, larger meeting rooms, nursing homes, schools, locker rooms, health clubs, pet kennels and other similar commercial applications.

The Problem:

Indoor air pollution is now considered by the EPA and Congress to be America's No. 1 environmental health problem. Tightly sealed buildings and homes may be more energy efficient but can trap pollutants and microbes indoors causing allergies, odors, mold and illness.

The Solution:

The APS has proven to drastically reduce airborne odors, mold, and bacteria in the 90+ percentile along with significant smoke reduction. Airborne FOGs also are reduced over 90% for restaurant applications and mercury is reduced over 90% for dental applications.

The Technology:

The APS utilizes Photohydroionization® technology which utilizes safe low level ozone, super oxide ions, hydro peroxides, passive negative ions and uv light targeted on a hydrated tri-metallic target to develop an advanced photo-catalytic oxidation.

*UV, Hydro-peroxides are recorded as effective in killing viruses however RGF has not performed clinical tests on viruses as there are thousands of strains

How Does The APS Work?

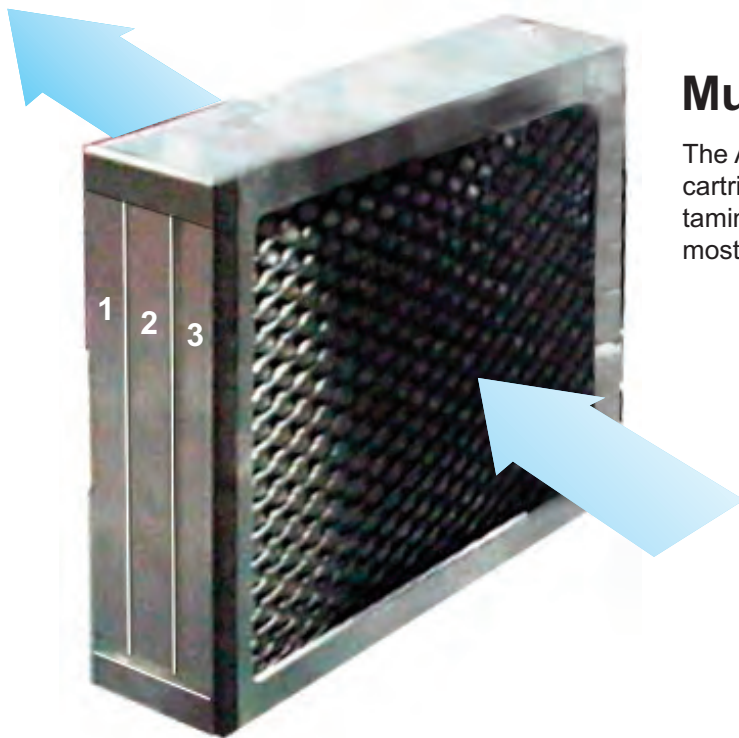
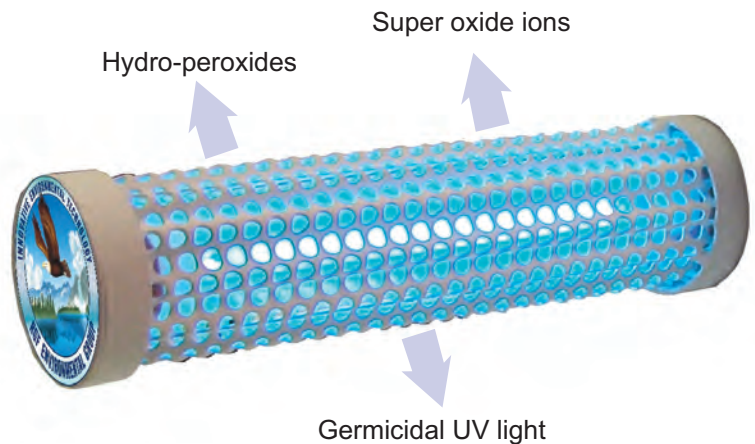
The APS is an extremely effective indoor air purifying system. It works through seven patent pending technologies - Photohydroionization™ and six proprietary high efficiency cartridge absorbers. RGF has combined these technologies to provide you with the Ultimate Air Purification System APS. Here's how these technologies work:

Photohydroionization® Commercial Dual Module:

An advanced oxidation reaction occurs when light energy from the **ultraviolet (UV) cell** reacts with oxygen, ozone, a small amount of moisture in the air, and a hydrated **quad-metallic catalyst**. This reaction creates cleansing ions, such as hydroperoxides and super oxide ions, which are exhausted from the system into the surrounding air. The treatment of your air includes:

- suppression of bacterial growth (bacteriostatic)
- suppression of mold growth (mycostatic)
- reduction of odors
- reduction of chemicals (VOCs)

PHI Cell



Multiple Absorber Cartridges:

The APS can utilize any three of the six different absorber cartridges to customize its effectiveness on certain contaminants. This feature makes the APS unique as the most versatile filtration system available.

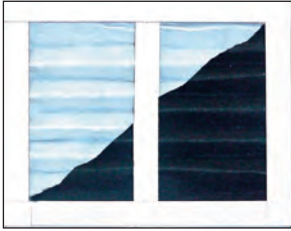


Optional vertical; stand for floor placement

Order # OP-004T

High Efficiency Cartridge Absorbers

Each absorber is designed for a specific airborne contaminant



Multi Cartridge Part # FL-001T and Multi Cartridge Plus Part # FL-002T

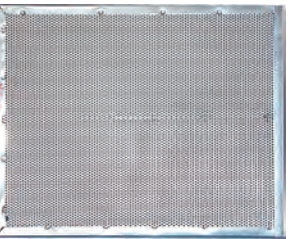
These general-purpose absorbers are an effective solution to moderate odor and particulate concerns. Airborne particulates are trapped on the inlet side of the absorber. The filtered air then passes through a unique carbon impregnated pleated layer. This design provides a cost effective solution to every day odor and particulate concerns. Available in 1" (FL-001T) and 2" (FL-002T) cartridges.

*Both sides shown for illustration purposes (Included in standard APS unit)



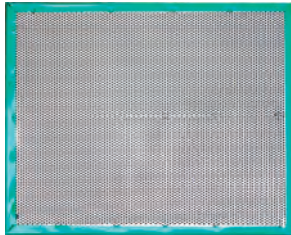
Ultra Cartridge. Part # FL-003T

A 3" deep pleated cartridge for ultra fine particulate removal. Designed to meet ASHRAE test standards for 95% efficiency for particulate removal/absorption (near HEPA efficiency). Utilizes a copper/silver process for control of microbials usually associated with conventional filters.



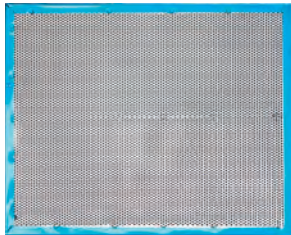
Mercury Cartridge. Part # FL-008T

A media blend of natural elements that absorbs airborne mercury vapors. Ideal for labs, dental offices and industrial offices.



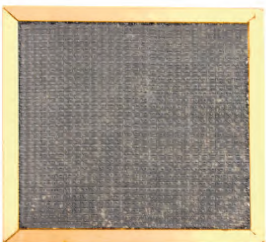
VOC Cartridge. Part # FL-009T

A blend of natural elements and polymers that absorb airborne chemical fumes and VOC's such as smoke, solvents, oils, etc. Ideal for beauty and nail salons, restaurants and bars or anywhere industrial solvents are used.



Radon Cartridge. Part # FL-010T

A blend of natural elements poly activated for efficient absorption of radioactive radon gas. Designed for basements or offices with radon problems.



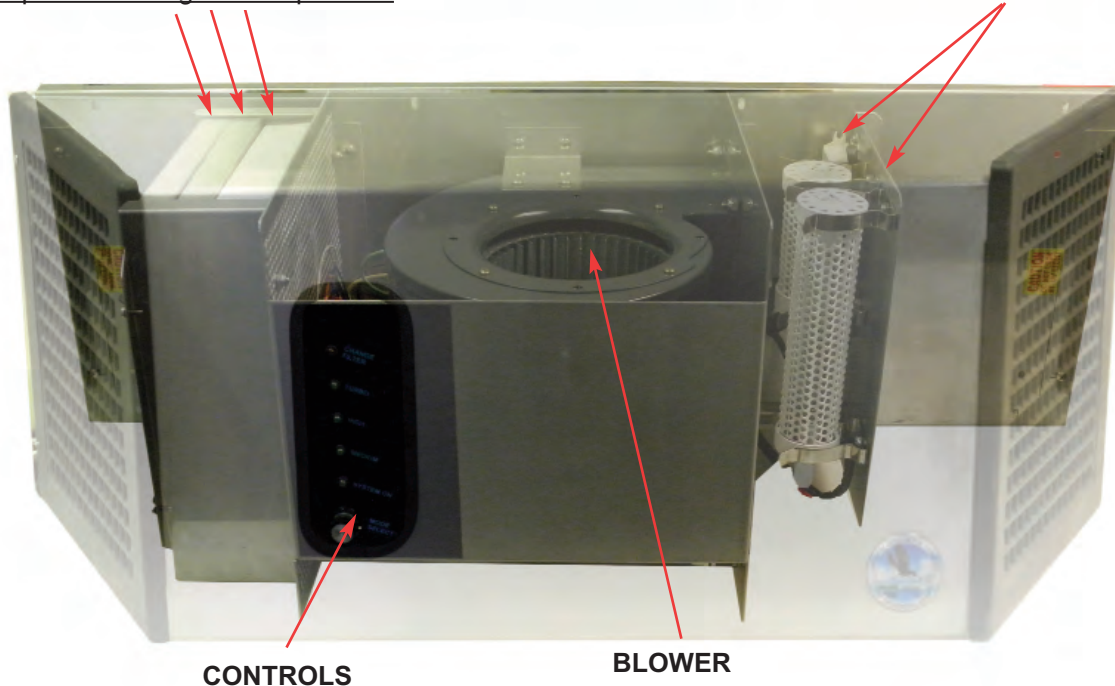
FOG (fats, oils and grease) Cartridge. Part # FL-011T

A proprietary coalescing polymer with oiliphilic properties, acts as an FOG magnet. The FOG cartridge has the ability to absorb airborne FOG's to the sub-micron level. Cooking with FOG's will vaporize these pollutants into airborne health hazards. A unique copper/silver process controls media bacteria and mold growth on cartridge surfaces. (Included in standard APS unit)

The Air Purification System by Safety Net

Multiple filter configurations possible

PHOTOHYDROIONIZATION® CELLS



SPECIFICATIONS

Dimensions	13"H x 12.5"D x 37"L
Weight	50 lbs
Free air delivery	500 cfm
Electrical	110 volt 5 amps
Order#	CAPS-16

CONTROLS

- ABSORBER CHANGE** Indicates absorbers need replacement
- TURBO** 3 absorbers, blower, 2 targeted photohydroionization cells
- HIGH** 3 absorbers, blower, 1 high intensity targeted photohydroionization cells
- MED** 3 absorbers, blower, 1 targeted photohydroionization cells
- LOW** 3 absorbers, blower

ABSORBER CARTRIDGES

- (1) MULTI CARTRIDGE** ODORS AND PARTICULATE
- (2) ULTRA CARTRIDGE** PARTICULATES - LOW LEVEL ELIMINATION
- (3) MERCURY CARTRIDGE** REMOVAL MERCURY VAPORS
- (4) VOC CARTRIDGE** SMOKE, VOCs, CHEMICAL
- (5) RADON CARTRIDGE** REMOVAL RADIOACTIVE RADON GAS
- (6) FOG CARTRIDGE** (FATS, OILS, GREASE)

Safety Net APS

Commercial Air Purification System- Mini

A Photohydroionization® (PHI) Technology



Reduces Airborne

- Smoke •Mildew / Mold
- Odors •Bacteria

Optional Absorbers

Grease & Oils- Restaurants
Mercury - Dental offices, Labs

Benefits

- Economical
- Maintenance Free (yearly)
- 10,000 Hour Cell Life
- Light weight
- Compact
- Versatile mounting options

Part# CAPS-MINI-16

Ideal for most offices, doctor / dental offices, nail salons, pet groomers, veterinarians and more!

Restaurant:

Restaurants have airborne FOG (Fats, oils and grease) problems . Grease has been linked to cancer.

Dental Offices:

Fillings referred to as “silver” or amalgam contain mercury. The drilling of these fillings asperates the mercury which is linked to nerve damage and mental problems.

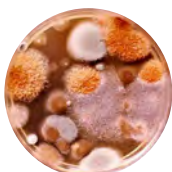
The Problem:

Indoor air pollution is now considered by the EPA and Congress to be America's No. 1 environmental health problem. Tightly sealed buildings and homes may be more energy efficient but can trap pollutants and microbes indoors causing allergies odors, mold and illness.

The Solution:

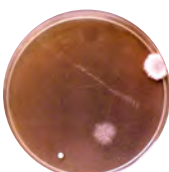
The APS Mini has proven to drastically reduce airborne odors, mold, and bacteria in the 90+ percentile along with significant smoke reduction. Airborne FOGs also are reduced over 90% for restaurant applications and mercury is reduced over 90% for dental applications.

BEFORE



Actual lab tests showing up to 90% reductions of airborne bacteria and mold

AFTER



SPECIFICATIONS

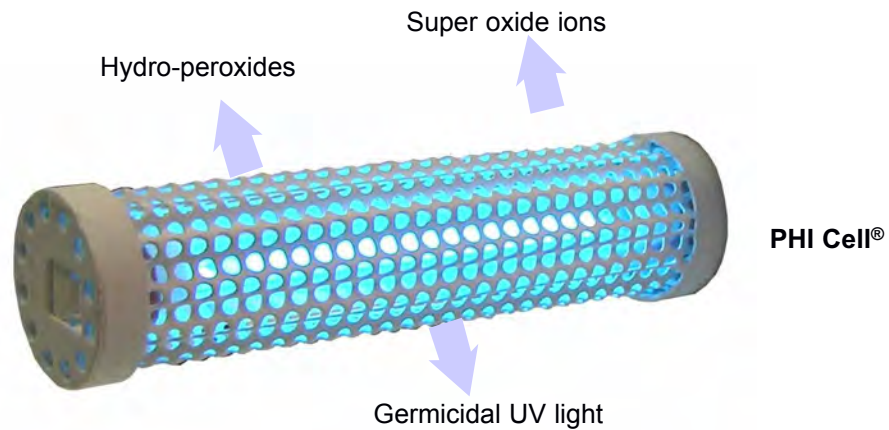
Dimensions:	6.25" h x 6.25" d x 18" w
Electrical:	110 VAC
Controls:	On / Off
Weight:	5 lbs.
Material:	Stainless Steel/ Polymers
Advanced Oxidation:	Less than .04 ppm
PHI Cell Part#	PHIC-5A

% ODOR REDUCTION



The Technology:

The APS Mini utilizes a Photohydroionization® Cell which utilizes super oxide ions, hydro peroxides, passive negative ions and uv light targeted on a hydrated quad-metallic target to develop a advanced photo-catalytic oxidation.



The resulting Advanced Oxidation reduces airborne mold, bacteria and odors over 90%. The restaurant option include a FOG absorber which captures over 90% of airborne FOGs. The dental option includes an airborne mercury absorber which can remove over 90% of airborne mercury.



Optional vertical stand
Part# OP-002T

Absorbers

FOG Cartridge	FL-012T
Mercury Cartridge	FL-013T
VOC Cartridge	FL-014T

Safety Net APS *BOS-HOX*

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



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.

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

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

No costly and complicated chemicals

Leaves no residue / operates unattended

BOS 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

10,000 hours average Photohydroionization® Cell life

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

Photohydroionization™ destroys bacteria, mold, organic pollutants and odors

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

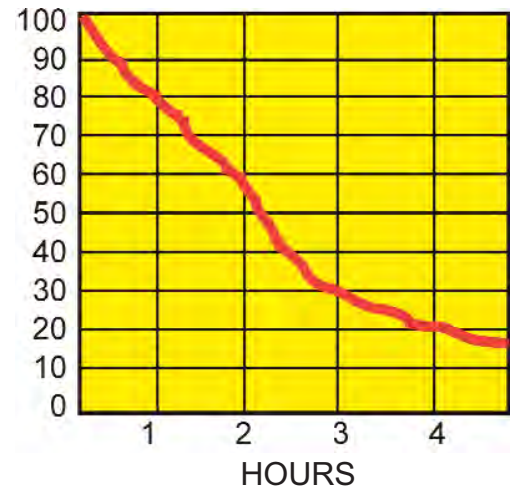
Lab Results



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

* Independent Lab data available

Odor reduction (Hydrogen Sulfide)



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

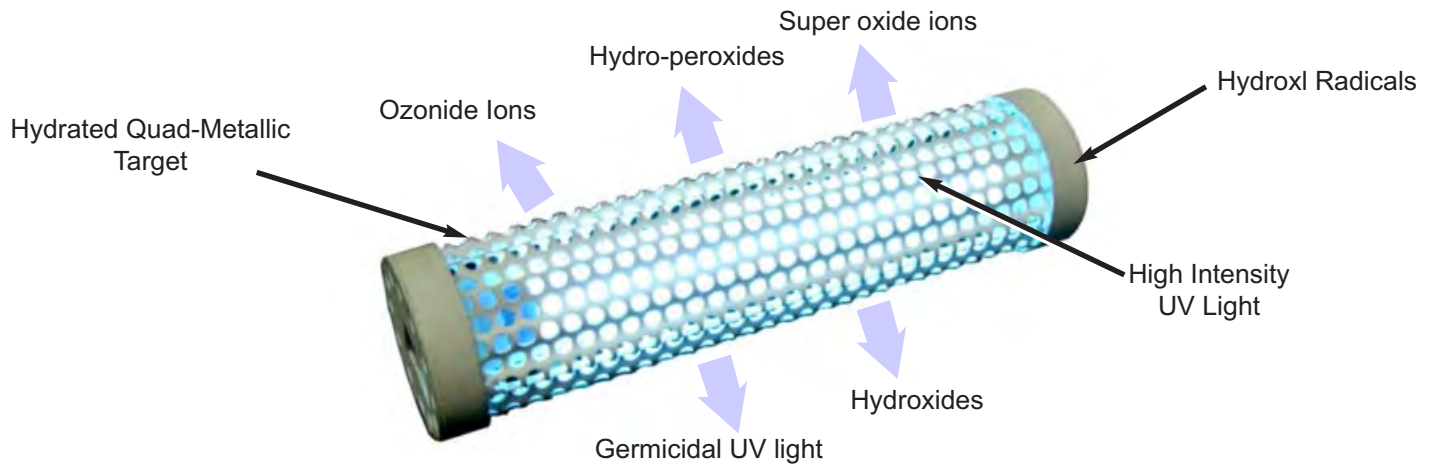
MODELS	BOS-HOX
VOLTAGE	110V 3 AMPS / 220 V 1.5 AMPS 50/60 HZ
WEIGHT	20 LBS.
MATERIAL	STAINLESS STEEL
DIMENSIONS	25" x 10" x 18"
HOSE	2.5" DIA x 8' L
CONTROLS	ON/OFF HIGH/LOW (Six cells on high setting - three cells on low setting)
FAN VOLUME	100 CFM
NUMBER OF PHI CELLS	SIX (6)
PHI CELL LIFE	APPROX. 10,000 HOURS
OXIDATION GASES	HYDRO PEROXIDES, OZONE, SUPER OXIDE IONS, OZONIDE IONS

The Benefits

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



RGF Photohydroionization® Cell

Patent Pending

APPLICATIONS



Dumpster / Compactor Odor and Airborne Bacteria control



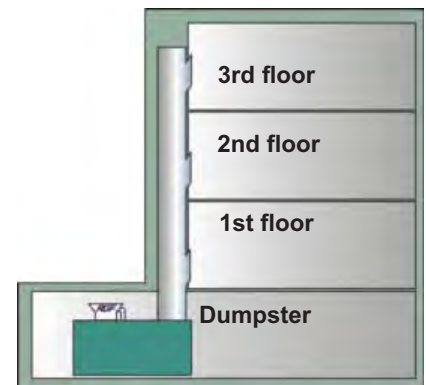
Lift Station Odor and Airborne Bacteria control



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

Safety Net APS *BOSII*

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



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.

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

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

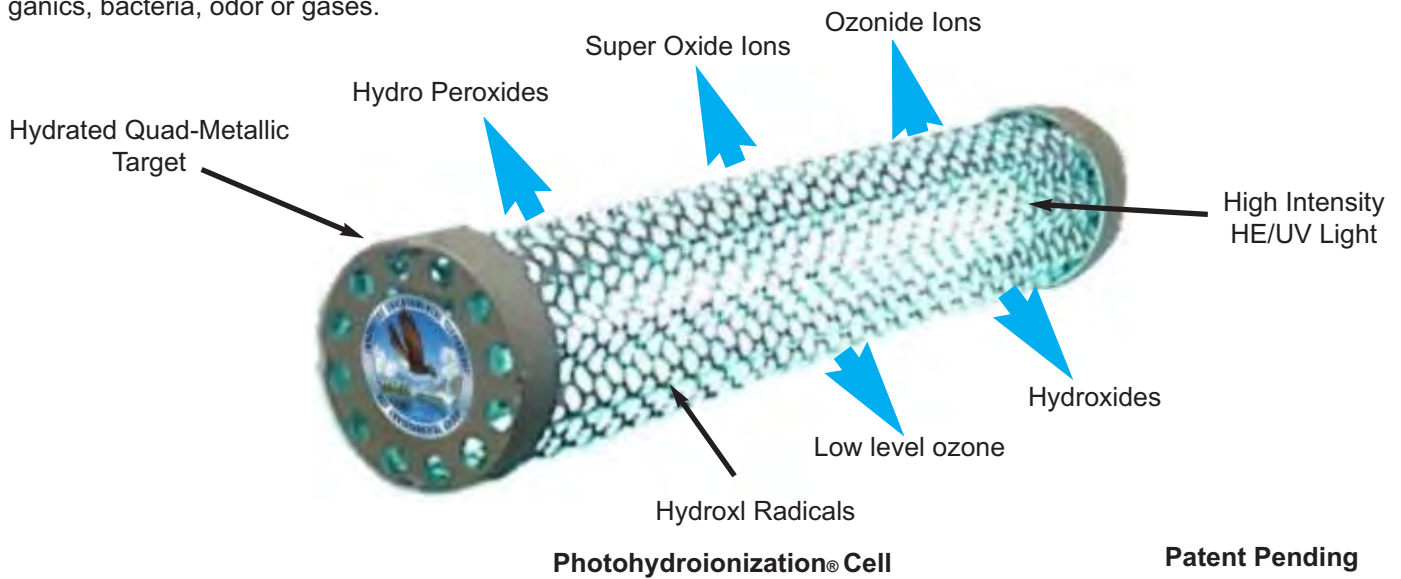
MODEL	BOSII
VOLTAGE	110V 60 HZ 3 AMPS
WEIGHT	10 LBS.
MATERIAL	STAINLESS STEEL
DIMENSIONS	25" x 6.25" x 6"
FINISH	2 PART EPOXY
CONTROLS	INDICATOR LIGHT
FAN VOLUME	45 CFM
ADVANCED OXIDATION	1 PHOTOHYDROIONIZATION™ CELLS
PHI CELL LIFE	APPROX. 25,000 HOURS
OXIDATION GASES	HYDRO PEROXIDES, ,SUPER OXIDE IONS,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

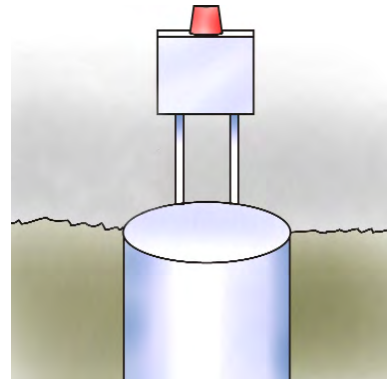
A high intensity UV light targeted on a hydrated Quad-Metallic target in an ozone atmosphere thereby creating Hydroperoxides, Super Oxide Ions, Hydroxyl Radicals, Ozonide Ions and Hydroxides. All are very aggressive friendly gaseous oxidizers. By friendly we mean oxidizers that revert back to oxygen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



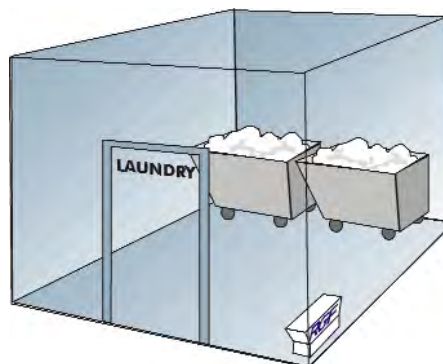
APPLICATIONS



Dumpster / Compactor Odor and Airborne Bacteria control



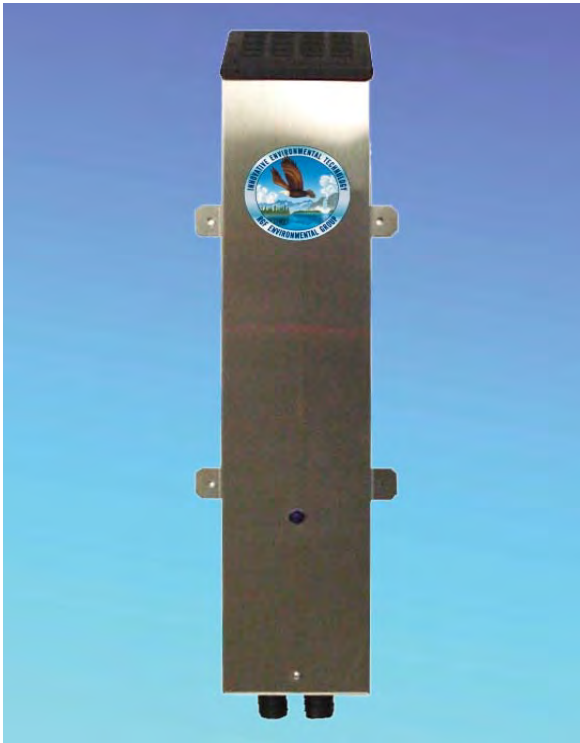
Lift Station Odor and Airborne Bacteria control



Laundry storage rooms airborne bacteria and odor control

Safety Net APS *IMSB*

Advanced Oxidation Process for Ice Machine Bacteria, Virus & Odor Abatement System



RGF has been an International leader in innovative environmental systems since 1985 Fully automatic, easy to use and install

No costly and complicated chemicals

Leaves no residue / operates unattended

The IMSB uses Photohydroionization®, nature's environmentally friendly natural sanitizer

Low power consumption, 110 or 220 volt Very low maintenance

Two 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 IMSB PHOTOHYDROIONIZATION® MODULE WILL DESTROY, NOT JUST COVER-UP, THE FOLLOWING AIRBORNE SUBSTANCES:

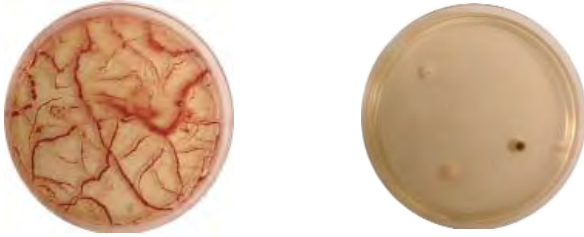
- DECOMPOSING ORGANICS
- MOLD & MILDEW
- BACTERIA
- ALGAE
- CHEMICAL FUMES
- FUNGUS

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

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

IMSB

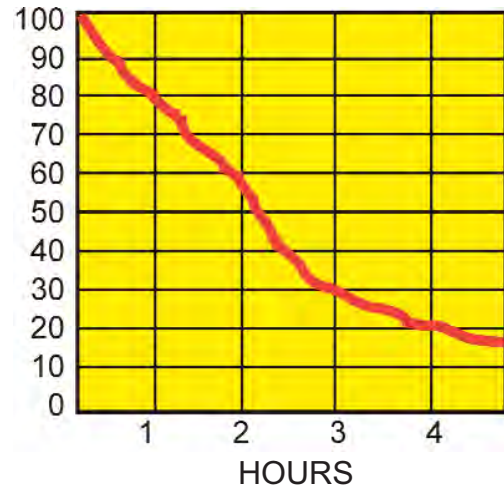
Lab Results



Before and after bacteria samples application of IMSB unit to commercial ice makers

* Independent Lab data available

Odor reduction



Outstanding Features

- No Costly Chemicals
- All stainless steel
- Automatic Unattended Operation
- Safety Service Cut Off Switch
- Destroys Odors- Is Not a Cover Up
- Low Maintenance - Monthly filter cleaning,
- Reduces airborne bacteria
- Reduces liability
- Eliminates odors
- Economical to Use

Specifications

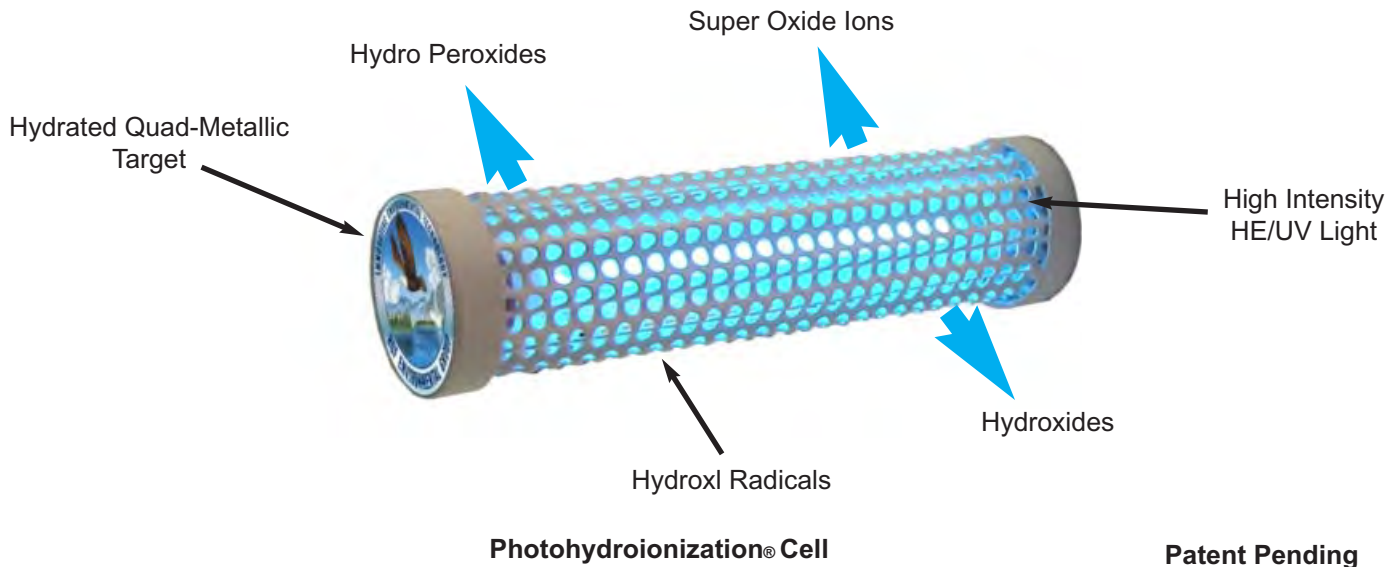
MODEL	IMSB
VOLTAGE	110V 60 HZ 1 AMPS
WEIGHT	10 LBS.
MATERIAL	STAINLESS STEEL
DIMENSIONS	18" x 4" x 4"
FINISH	BRUSHED STAINLESS STEEL
CONTROLS	INDICATOR LIGHT / ON OFF SWITCH
FAN VOLUME	45 CFM
ADVANCED OXIDATION	1 PHOTOHYDROIONIZATION™ CELLS
PHI CELL LIFE	APPROX. 25,000 HOURS
OXIDATION GASES	HYDRO PEROXIDES,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

The Benefits

The Advanced Oxidation gas created by the Photohydroionization® Cell are safe environmentally friendly oxidizers that revert back to oxygen and hydrogen. The IMSB utilizes the PHI Cell to create hydroperoxides, super oxide ions, and hydroxides. The oxidizers produced are at a safe low concentration, produced by a targeted high intensity UV light technology. 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 creates safe low level Hydroperoxides, Super Oxide Ions, Hydroxyl Radicals, 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



Ice machine odor and bacteria control

Safety Net APS

Mobile Pro Plus Air Purification System

A Photohydroionization® (PHI) Technology



Patent Pending

Order Part# MBPRO-P-12

Not for use in occupied areas

Eliminates Airborne

- Smoke •Mildew •VOCs
- Odors •Bacteria

Benefits

- 2 Year Warranty - 1 year on PHI cell
- Economical
- Low Maintenance
- 12 Volt Adapter or 110 Volt
- 25,000 Hour PHI Cell
- Light weight
- Compact
- Polished stainless steel
- High advanced oxidation hydro-peroxides, hydroxides and super oxide ion output

The Mobile Pro Plus Advanced Air Purification System provides Odor Elimination for the professional. The advantage of the Mobile Pro Plus is its ability to go from the car, boat or recreational vehicle to the home or hotel room. When using the Mobile Pro Plus in a hotel room, home or office application simply use the AC adapter to operate the unit using your electrical outlets. In hotel rooms, for example; simply plug the unit in, set the timer, leave it running while you are out and enjoy the wonderful clean and fresh air upon your return. For best results incorporate air movement with fans/air conditioner. The Mobile Pro Plus is a treatment system and not a continuous filter. The Mobile Pro Plus is designed to treat specific odor, bacteria and mold problem areas of non-occupied areas.

The Problem:

Indoor air pollution is now considered by the EPA and Congress to be America's No. 1 environmental health problem. Smoke saturated auto interiors can be an economical problem. Some auto buyers refuse to consider purchasing a "smokers car" and most auto dealers agree "smoked cars" bring less money.

The Solution:

The Mobile Pro Plus has proven to drastically reduce odors, smoke, mold, fungi, VOCs and bacteria found in motor vehicles, boats, homes and offices. Airborne smoke, bacteria and mildew reduction is normally in the 90+ percentile.

The Technology:

The Mobile Pro Plus utilizes Photohydroionization® technology which utilizes super oxide ions, hydro peroxides, hydroxides and uv light focused on a hydrated quad-metallic target to develop an advanced oxidation process.

Ideal odor control for many applications



Applications

- Car detailers
- Car washes
- Recreational vehicles
- Marinas

- Maid services
- Cleaning services
- Equipment rental
- Boats



Outstanding Features

- Includes 12 volt adapter for use in mobile applications
- Includes 110 volt adapter for use in office / service environments
- 2 hour timer for timed application.
- Integrated PHI status indicator

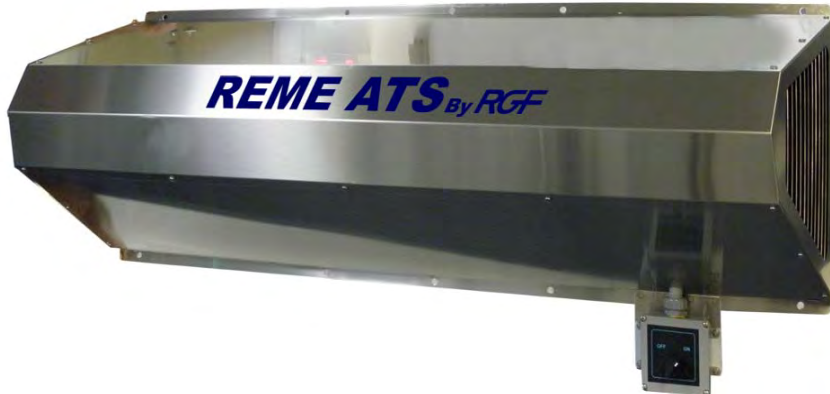
SPECIFICATIONS

Dimensions:	3.75" x 3.75" x 20.5"	Electrical:	12 VDC / 110 VAC
Controls:	On / Off 2 hour timer	Ozone Output:	10 ppm@ 32 cfm
Weight:	3 lbs.	Material:	Stainless steel (brushed/polished)
Replacement PHI Cell Part#: (1) PHIC-11HOA			

Safety Net APS

REME ATS-HO Air Purification System

A Photohydroionization® (PHI) Technology



- Reduces airborne microbes by up to 99%.
- Made for washdown environments.
- Food grade stainless steel construction for years of trouble free service.
- Helps eliminate airborne bacteria, mold, odors and VOCs.
- Helps extend food shelf life and reduce spoilage.
- 1 year warranty

Ideal for most food production areas, grocery stores, storage rooms, manufacturing facilities and more.

Most facilities do not check the air for microorganisms on a daily or monthly basis. Bacteria and mold can continuously breed in ducts and on the evaporator coils of refrigeration systems. As a result, mold and bacteria settling out of the air can contaminate product and equipment. Storage rooms, refrigerated coolers, and employee changing rooms are particularly susceptible to these airborne problems. RGF developed the REME ATS-HO Air system to provide continuous protection in sensitive air spaces.

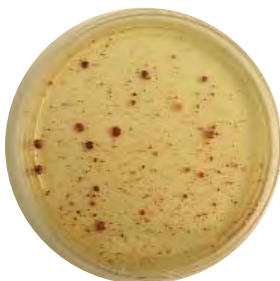
Air passes through a REME PHI oxidation chamber, which destroys airborne microbes with high intensity UV light rays targeted on a quad-metallic compound. The process develops a highly charged atmosphere of hydroxyl radicals, hydro-peroxides and super oxide ions. This atmosphere oxidizes contaminants in the air with friendly oxidizers. By friendly oxidizers, we mean oxidizers that revert back to oxygen and hydrogen after the oxidation process. No chemical residue or dangerous compounds are emitted from the system. The REME ATS-HO Air System can reduce levels of airborne microbes and odors by up to 99%. Airborne contaminants in the form of bacteria, mold, and yeast continue to be one of the least addressed issues in most processing plants. Since these organisms cannot be seen they are often ignored. The organisms can enter the facility on employee's clothing and bodies, through intake and makeup air systems, on packaging materials, wooden pallets and vehicles.

Applications:

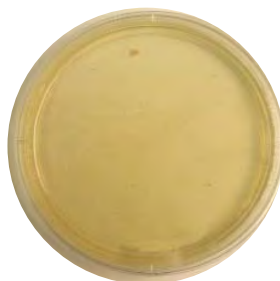
Production rooms, cold storage, lift station rooms, cafeterias, storage rooms, grocery stores / supermarkets, distribution facilities.

Bacteria

BEFORE



AFTER



Mold

BEFORE

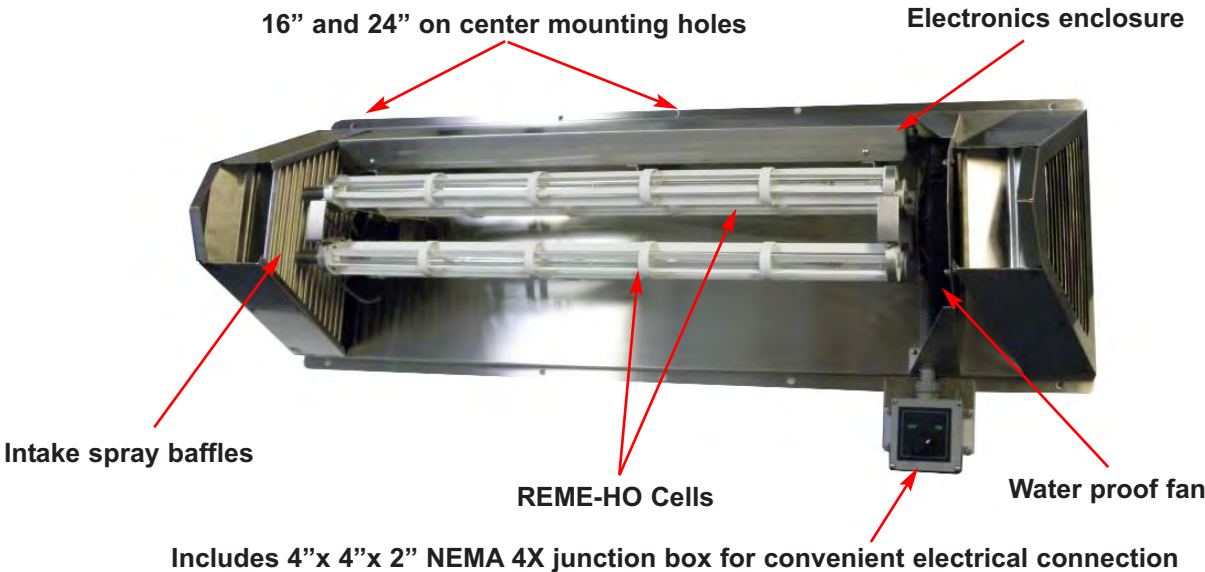


AFTER



Actual lab tests showing up to 99% reductions of airborne bacteria and mold

REME ATS-HO Air Purification System



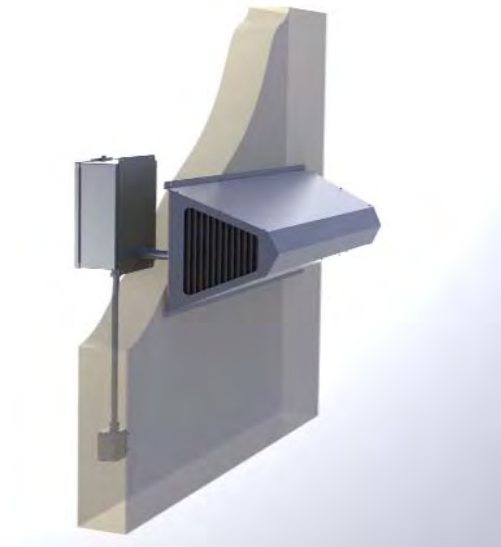
SPECIFICATIONS

MATERIAL	Stainless Steel
DIMENSIONS	18" high X 14.5" deep X 52" long
WEIGHT	65 lbs
ELECTRICAL	110 Volt 6 Amps or 220 Volt 3 Amps
CFM	700 cfm
TREATMENT AREA	12,000 cubic feet
REPLACEMENT CELLS	SA-ATS-0000 2 each
	SA-ATS-0100 1 each
	SA-ATS-7525 1 each

Part Number: REME ATS-HO 16 (110 VOLT) REME ATS-HO 26 (220 VOLT)

REME ATS Freezer Unit Option

PHI air treatment system for commercial low temperature freezers. Includes separate external freezer mounted NEMA 4X ballast enclosure and control box.



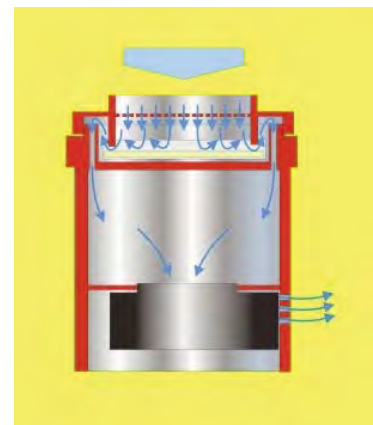
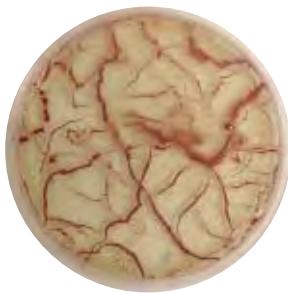
Safety Net APS

Commercial Air Quality Sampler - CAS



Order # SE500T-z

- This professional Indoor Air Quality Sampler will take 500 liters (.5 cubic meters) of indoor air and deposit the microbes on a petri dish, giving you a broad sample of the indoor air quality.
- Polished aluminum for years of service and easy cleaning
- Easy to use
- Pre-calibrated
- Provides a professional air quality test
- The CAS draws a broad sample of room air into the petri dish for a more quantitative test



SPECIFICATIONS

Voltage	12 volt DC
Current (Standby)	.025 amp
Current (max.)	.35 amp
Current (operating)	.25 amp
Air Flow	100 liter per min (+/- 5%)
Material	Aluminum
Timer	5 Minutes

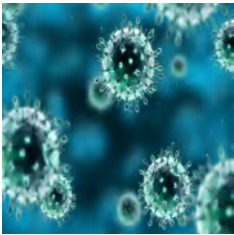


ADVANCED OXIDATION TEST RESULTS 2000-2016

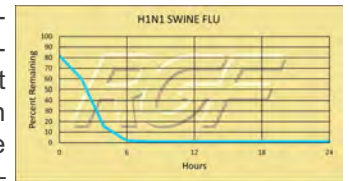
RGF first developed its Advanced Oxidation Technology over 20 years ago. Over one million RGF cells are in use around the world. RGF has licensed its technology to many Fortune 500 companies for use in medical, food, military, residential, commercial, marine, hospitality and government applications. RGF cells in various products have been tested and/or approved or registered by:

- ETL, TUV, EU, CSA
- Chinese Government
- U.S. Government
- U.S. Military
- Japanese Government (TV commercials)
- European Union
- Electric Power Research Institute
- Canadian Government
- USDA & FSIS

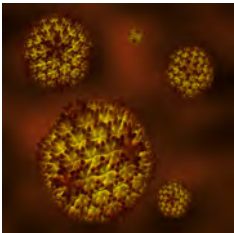
In addition, RGF cells have been specified in the Norovirus & MRSA protection plans of America's largest restaurant chains, hotel chains, theme parks, cruise lines, public schools and hospitals. The following is a summary of some of the testing and studies performed by third party independent labs and universities. RGF products are not medical devices and no medical claims are made.



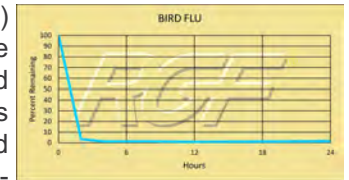
The **H1N1** flu virus, or swine flu, caused a worldwide pandemic in 2009-2010. It is now considered a seasonal flu, which continues to circulate seasonally worldwide. Spread of the H1N1 virus occurs in the same way that seasonal flu spreads. Flu viruses are spread mainly from person to person through coughing or sneezing by people with influenza. Sometimes people may become infected by touching items – such as a surface or object – with flu viruses on it and then touching their mouth or nose. Kansas State University completed preliminary testing on RGF's Photohydroionization® (PHI-Cell®) and Reflective Electromagnetic Energy (REME® Cell) technologies with 99+% inactivation of H1N1 Swine Flu on a stainless steel surface.



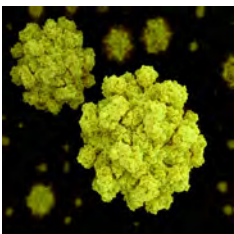
Tested by Kansas State University Inactivation Rate **99+%**



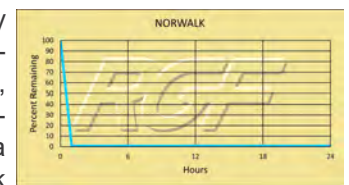
Avian influenza is an infection caused by avian (bird) influenza (flu) viruses. Avian influenza is very contagious among birds and can make some domestic birds, including chickens, ducks and turkeys, very sick and kill them. Of the few avian influenza viruses that have crossed the species barrier to infect humans, H5N1 has had the largest number of detected cases of severe disease and death in humans. Of the human cases associated with the H5N1 outbreaks in poultry and wild birds in Asia, Europe, the Near East and Africa, more than half of those people reported infected with the virus died. Source: CDC: Center for Disease Control and Prevention



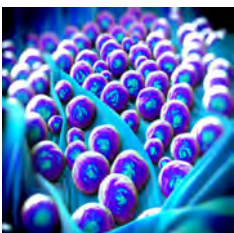
Tested by Kansas State University Inactivation Rate **99+%**



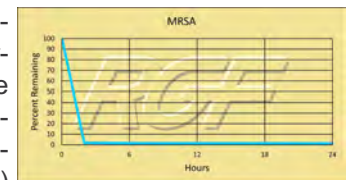
Norovirus is a highly contagious virus and as few as 10 viral particles may be sufficient to infect an individual. Infections of the virus can occur by consuming contaminated food or water, by touching contaminated surfaces, or from person-to-person transmission. Norovirus is named after the original strain "Norwalk virus," which caused an outbreak of gastroenteritis in a school in Norwalk, Ohio in 1968. The most common Norovirus outbreak settings include healthcare facilities, restaurants and catered events, on cruise ships and in schools. 50% of all food-borne outbreaks of gastroenteritis can be attributed to norovirus.



Tested by Midwest Research Institute Inactivation Rate **99+%**



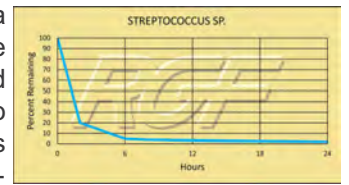
Methicillin-Resistant Staphylococcus Aureus (MRSA) is a type of bacterium responsible for difficult to treat infections due to its resistance to certain antibiotics. These antibiotics include methicillin and other more common antibiotics such as oxacillin, penicillin and amoxicillin. Staph infections, including MRSA, occur most frequently among persons in hospitals and healthcare facilities (such as nursing homes and dialysis centers) who have weakened immune systems. In the community, most MRSA infections are skin infections. In medical facilities, MRSA causes life-threatening bloodstream infections, pneumonia and surgical site infections. RGF along with a major hospital participated in a two-year study evaluating PHI technology, which resulted in a 33.4% reduction in infections.



Tested by Kansas State University Inactivation Rate **99+%**



Streptococcal (strep) infections are caused by group A streptococcus, a bacterium responsible for a variety of health problems. Most infections are relatively mild illnesses, such as “strep throat”. These bacteria spread through direct contact with mucus from the nose or throat of people who are sick with an infection, or through contact with infected wounds or sores on the skin. Source: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES



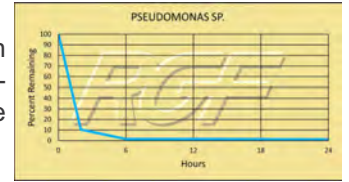
Tested by Kansas State University Inactivation Rate **96+%**



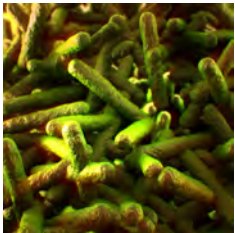
Pseudomonas Sp.

The bacterial genus *Pseudomonas* includes plant pathogenic bacteria such as *P. syringae*, the opportunistic human pathogen *P. aeruginosa*, the ubiquitous soil bacterium *P. putida*, and some species that are known to cause spoilage of unpasteurized milk and other dairy products.

Source: CDC: Center for Disease Control and Prevention



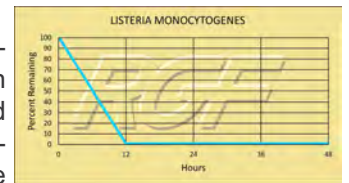
Tested by Kansas State University Inactivation Rate **99+%**



Listeria Monocytogenes

Listeria Monocytogenes is a bacterium that causes listeriosis. They are commonly found in soil and water. Most human infections follow consumption of contaminated food such as uncooked meats; unpasteurized milk and cheeses, and cooked or processed foods such as ready-to-eat meats. Unlike most bacteria, *Listeria* is able to grow at refrigerated temperatures. The disease primarily affects older adults, pregnant women, newborns, and adults with weakened immune systems.

Source: CDC Centers for Disease Control

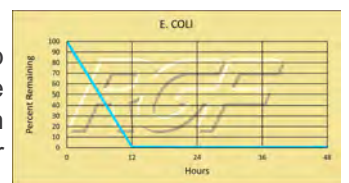


Tested by Kansas State University Inactivation Rate **99+%**



Escherichia coli

Escherichia coli, usually abbreviated *E. coli*, are a large and diverse group of bacteria, which are found in the lower intestines of mammals. Some strains such as enterohaemorrhagic *E. coli* (EHEC) that are pathogenic can cause severe foodborne illness. Outbreaks are most often linked to raw or undercooked meat products, raw milk, and fecal contamination of vegetables. Source: CDC: Center for Disease Control and Prevention

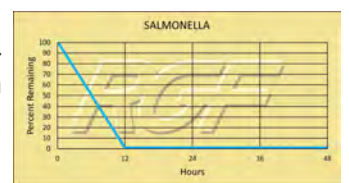


Tested by Kansas State University Inactivation Rate **99+%**



Salmonella

Salmonella is the name of a group of bacteria and is one of the most common causes of food poisoning in the United States. Every year one million people are infected, with more than 19,000 hospitalizations and 380 deaths. Source: Food Safety /CDC Center for Disease Control

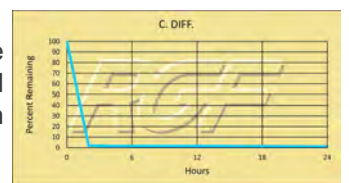


Tested by Kansas State University Inactivation Rate **99+%**



Clostridium difficile (C-Diff)

Clostridium difficile, also known as C-diff or *C. difficile*, is a gram-positive bacterium that can cause an inflammation known as colitis. It is considered a healthcare-associated infection (HAI). C-Diff infection rates have been on the rise and are becoming more severe and difficult to treat.

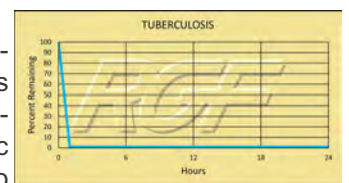


Tested by Kansas State University Inactivation Rate **99+%**



Tuberculosis

Tuberculosis is caused by the bacterium *Mycobacterium tuberculosis*. It typically attacks the lungs, but can also affect other parts of the body. It is spread through the air when people with infection cough, sneeze, or otherwise transmit their saliva through the air. Most infections are asymptomatic and latent, but about one in ten latent infections eventually progresses to active disease which, if left untreated, kills more than 50% of those so infected. Source: Centers for Disease Control



Tested by Kansas State University Inactivation Rate **99+%**



Electrical / Ozone / EMF

All RGF AOP devices have been thoroughly tested for electrical safety, ozone / emf - Electro Magnetic Frequency and have passed Federal Safety Standards.
 Tested by: TUV, ETL, UL, CSA, NEI China, RGF Labs. The Japanese Government, GSA, and Electrical Power Research Institute.
 Note: Many household appliances emit some ozone and emf in safe low levels such as fluorescent lights, motors, computers, copy machines, refrigerators, blenders, electronic air filters, air conditioners, electric fans, microwave ovens, etc.

Sneeze Test

A testing protocol concept was used which included a "Sneeze Simulation Machine" and "Sneeze" chamber. A sneeze can travel at up to 100 mph, so lung capacity, sneeze pressure, and liquid volume had to be taken into consideration to properly simulate a human sneeze. This was accomplished and the test proceeded with outstanding results. An average of 99% reduction of sneeze germs was achieved with PHI/ REME® in a double blind test, at three feet from the sneeze source.

Simulated Sneeze Lab Test at three feet in a 250 cu ft Bio Test Chamber. An independent PE double blind study.



Tested by: Kansas State University, inactivation 99%

SAFETY

It is a normal reaction to question the long term safety of any product that is effective and uses new or "breakthrough" technology. This type of question has become common as our litigious society has taught us to question things that significantly outperform existing methods or products.

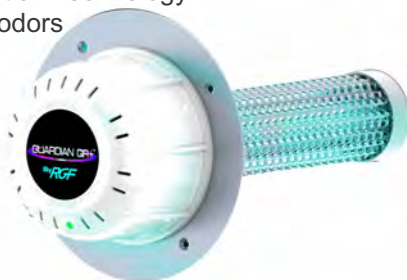
The RGF *advanced oxidation technologies* that produced the results found on the pages of this report certainly fall into the category of breakthrough technology. This is evident by its outstanding test results across the entire range of microbes.

The breakthrough in the RGF *advanced oxidation technologies* is not found in the final product (hydroperoxides), but rather in the method by which they are produced. The active ingredient created by the RGF products is a group of oxidants known as Hydroperoxides. Hydroperoxides have been a common part of our environment for over 3.5 billion years. Hydroperoxides are created in our atmosphere whenever three components are present: unstable oxygen molecules, water vapor and energy (electro magnetic).

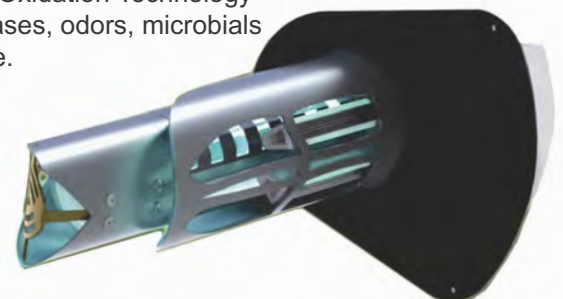
Hydroperoxides are very effective (as demonstrated by the test results in this book) at destroying harmful microbials. As oxidants, they do this by either destroying the microbe through a process known as cell lysing or by changing its molecular structure and rendering it harmless (which is the case in VOC's and odors). The amount of hydroperoxides required to accomplish this task in a conditioned space is well below the level that is constantly in our outside air. The advanced oxidation technology found in RGF's Guardian Air product family has brought the oxidants found in the outside air into the conditioned space of your home, office, business, etc.

There is no known case of hydroperoxides ever creating a health risk. Considering we have been exposed to hydroperoxides in nature since the day man stepped on the planet, it is a reasonable assumption that hydroperoxides do not constitute a health risk. Over the past 20 plus years RGF has more than one million Advanced Oxidation products successfully used worldwide.

Guardian Air QR+ PHI Cell®
 An Advanced Oxidation Technology
 effective on gases, odors
 and microbials.



Safety Net APS REME
 An Advanced Oxidation Technology
 effective on gases, odors, microbials
 and particulate.



Disclaimer:

All the above tests were performed on RGF Advanced Oxidation products with Advanced Oxidation Plasma of less than .02 ppm unless noted otherwise. They were conducted by independent accredited labs and university studies. They were funded and conducted by RGF's major clients to assure third party credibility. RGF products are not medical devices and no medical claims are made.

info@safetynetamerica.com

866-918-8546

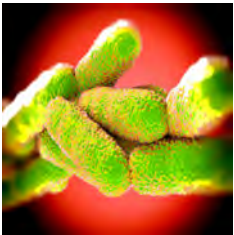
www.safetynetamerica.com

REV 6-2016

Images (as applicable) used under license from Shutterstock.com

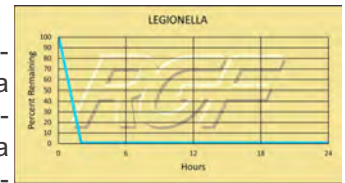
Copyright 2016 © RGF Environmental

Safety Net APS products are manufactured by RGF and sold by Safety Net through a national sales and service network



Legionella

Legionella is a group of pathogenic bacteria that is one of the most frequent causes of waterborne disease in humans. One type of pneumonia caused by Legionella is called legionellosis, or commonly known as Legionnaires' disease. The disease is transmitted when people breathe in a mist or vapor with the bacteria. Source: CDC Centers for Disease Control

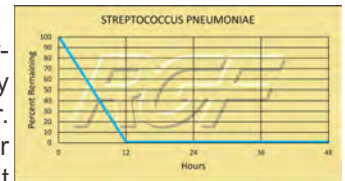


Tested on Pan Saver by Kansas State University Inactivation Rate **99+%**

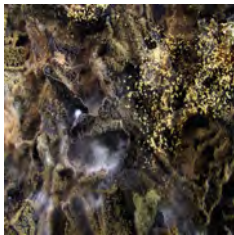


Streptococcus Pneumoniae

S. pneumonia is an exclusively human pathogen and is spread from person-to-person by respiratory droplets, meaning that transmission generally occurs during coughing or sneezing to others within 6 feet of the carrier. The bacteria can cause many types of illnesses, including meningitis, ear infections, sinus infections, and bacteremia. Health experts estimate that more than 10 million mild infections (throat and skin) like these occur every year. Source: CDC Centers for Disease Control



Tested by Kansas State University Inactivation Rate **99+%**

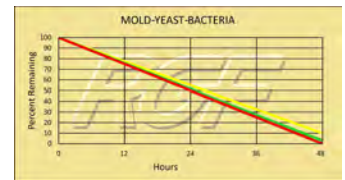


Bacteria/Mold/Yeast

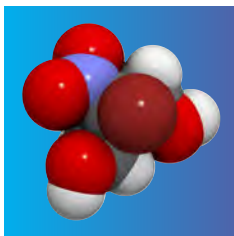
The purpose of these tests was to evaluate the effect RGF's Advanced Oxidation Technology has on mold, yeast and bacteria (TPC). This test was performed utilizing a standard 2,000 sq. ft. home and 3,000 sq. ft. simulated home.

Reduction %

■ Bacteria **99%** ■ Mold **97- 98%** ■ Yeast **90+%**



Tested by California Microbiology Center

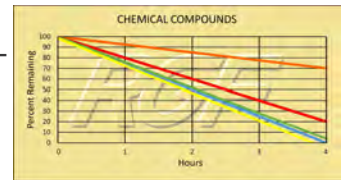


Chemical Compounds

Gas Chromatograph/Mass Spectrometer test performed by Nelap Accredited Lab on airborne chemical compound reduction using RGF's AOT.

Hydrogen Sulfide - Rotten eggs
Methyl mercaptan - Rotten cabbage
Carbon Disulfide - Vegetable sulfide

Butyl Acetate - Sweet banana
Methyl Methacrylate - Plastic



Reduction %

■ Hydrogen Sulfide **80%** ■ Methyl mercaptan **100%** ■ Carbon Disulfide **30%** ■ Butyl Acetate **100%** ■ Methyl Methacrylate **100%**

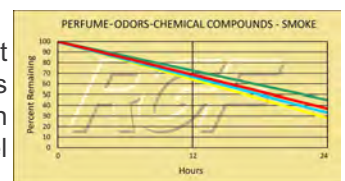
Tested by GC/MS Nelap Accredited Independent Lab



Odors

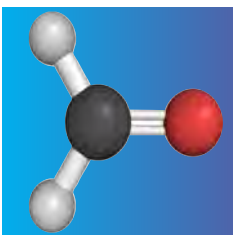
The purpose of this test was to evaluate to what effect the RGF's AOT unit has on cleaning chemicals, pet odors, and perfume odors. This test was performed utilizing two 500 cubic foot test chambers and a ten-person odor panel. The qualitative assessments of the ten-person odor panel were then used as a means to determine the odor reduction.

Tested by C&W Engineering (Independent PE Firm)



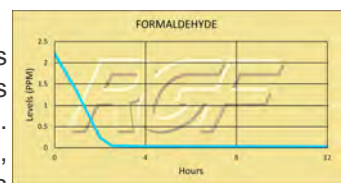
Reduction %

■ Cleaning chemicals **55+%** ■ Pet odors **72%** ■ Perfume odors **63+%** ■ Smoke odors **70%**

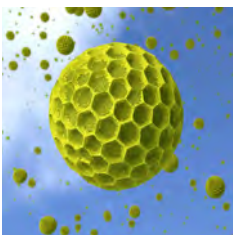


Formaldehyde

Formaldehyde is a colorless, flammable, strong-smelling chemical that is used in building materials and to produce many household products. It is commonly used as an industrial fungicide, germicide and disinfectant. When formaldehyde is present in the air at levels exceeding 0.1 ppm, some people may experience adverse effects including burning sensations in the eyes, nose, and throat, watery eyes, coughing, nausea, as well as skin irritation. The purpose of this test was to evaluate the effect RGF's Advanced Oxidation Technology has on formaldehyde.

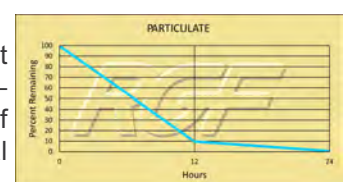


Tests by Kansas State University | Formaldehyde levels less than 0.05 ppm in 4 hours



Suspended Particulate Reduction-REME®

The REME® Cell was evaluated for particulate reduction in a particle test chamber. Particle counts were reduced to ISO Class 4 levels (10,000 – 0.1um) within 12 hours of exposure to the REME® Cell. After 24 hours of treatment, ISO Class 3 levels (1,000 – 0.1um) were achieved. Typical HEPA filtration is effective down to .3um



Tested by Kansas State University Inactivation Rate **99+%**