

## Validation

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 the medical, food, military, residential, commercial, marine, hospitality and government, etc. RGF cells in various products have been tested and approved by:

- ETL, TUV & CSA
- U.S. Military
- Chinese Government
- Japanese Government (TV commercials)
- Canadian Government
- European Union

In addition, RGF technology, because of its ability to kill bacteria and virus on surfaces and in the air, has been specified in the Norovirus/MRSA protection plan of America's largest restaurant chains, hotel chains, theme parks, cruise lines, public schools and hospitals.

## Test Results

### Samples of university & independent lab tests and major corporation studies

- Now tested on H1N1 Swine Flu with 99+% Kill on surfaces
- 4-log reduction (99.99%) surface bacteria/virus reduction
- Over 85% VOC reduction
- 99% of microbes in human sneeze killed at 3 feet
- 97% airborne bacterial reduction
- 99% reductions of Ecoli, Listeria, Strep, Tuberculosis, Bird Flu, etc.
- 85% odor reduction
- 97% airborne mold reduction
- US Military approved for mold protection in field hospitals
- Hospital approvals Infectious Diseases - U.S. and International 99% reduction of Staph (MRSA)
- Major US city school reports 20% reduction in absenteeism
- Tested and approved by the Chinese Government for protection against the SARS virus
- Approved by the USDA, FSIS and FDA for use in food processing plants
- Fox News three-part indoor air series featured RGF and concluded substantial mold and bacteria reductions
- RGF's technology has been featured on Fox, ABC, CBS and in Popular Science Magazine

## 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 breakthrough in the RGF advanced oxidation technologies 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: oxygen molecules, water vapor and energy (electro magnetic). PHI™ has the ability to create hydroperoxides.

Ionized-Hydro-Peroxides™ are very effective at destroying harmful microbials in the air and on surfaces. 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.

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 without a safety problem.

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## About RGF Environmental



### Innovation

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



### Design and R&D

Our technical staff consists of engineers and scientists from the following specialties: biological, mechanical, chemical, waste treatment, construction engineering, nuclear, fabrication, design, and environmental law.



### Patented Technology

RGF has been a leader in patented Environmental Purification Technology. RGF technology has been licensed to numerous Fortune 500 companies and is in use in 33 countries.



### Advanced Oxidation

RGF has been a leader in Advanced Oxidation technology since 1985. We developed an advanced catalytic oxidation system for total organic oxidation. Our Advanced Oxidation

Technology has been approved for use by the USDA / FDA / FSIS for food processing and major corporations for Norwalk/MRSA protection.

RGF manufactures over 500 environmental products



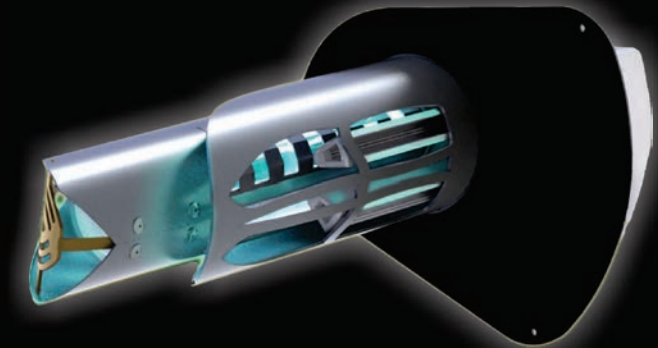
Manufactured by **RGF® Environmental Group**  
www.rgf.com

A Member of AEE • Certified IAQ Specialist on staff



An RGF Residential / Commercial Product

## The Next Generation In IAQ



## Is Your Home Protected?

### The main advantage...

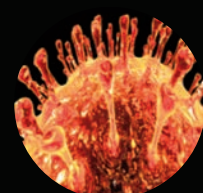
Guardian Air™ does not need the pollutants to travel to the air handler for UV treatment or filtration. Guardian Air™ is proactive and sends ionized aggressive advanced oxidizers into the room to destroy the pollutants at the source, in the air and on surfaces, before they can reach your family, clients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



# REME • HALO™

NEW ZINC IONS  
KILL VIRUSES ON  
SURFACES

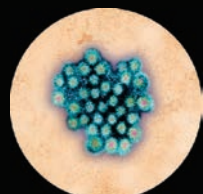
REME HALO™ sends Advanced Oxidants throughout the room to kill microbials at the source.  
Average sneeze microbial reduction: 99%  
The Sneeze Test



Swine Flu\*\*



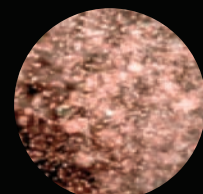
Tuberculosis\*



Norwalk\*



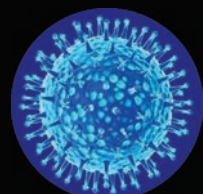
Listeria\*



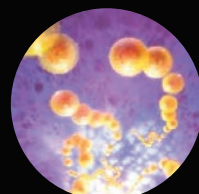
Particulate



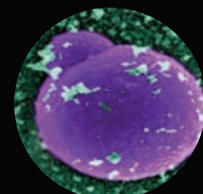
Bacillus sp\*



Bird Flu\*



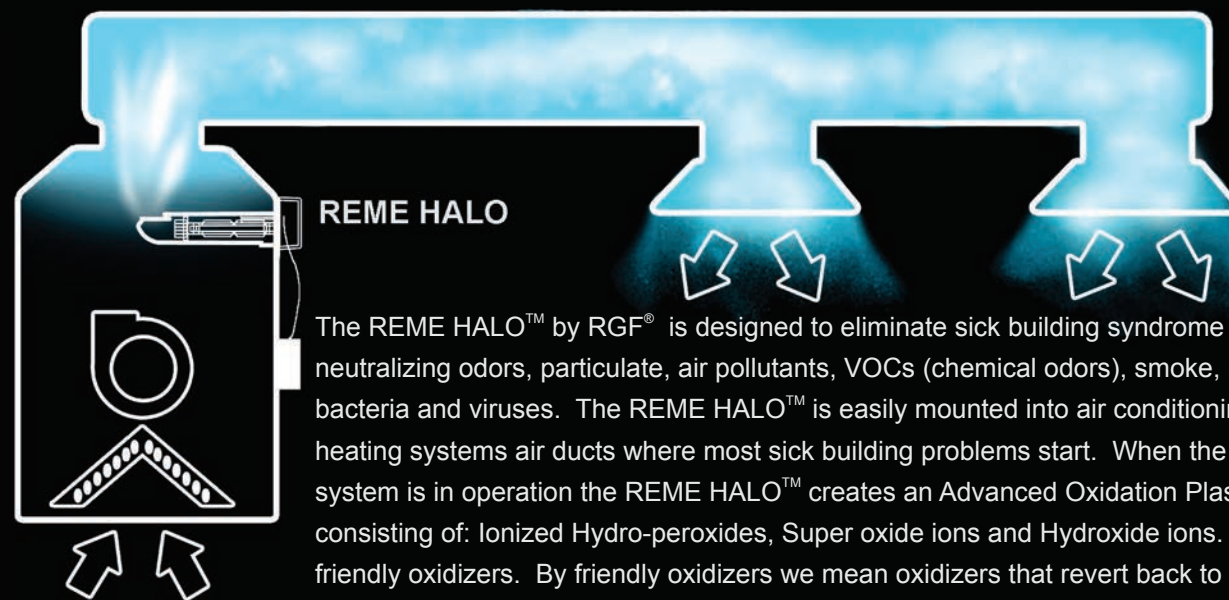
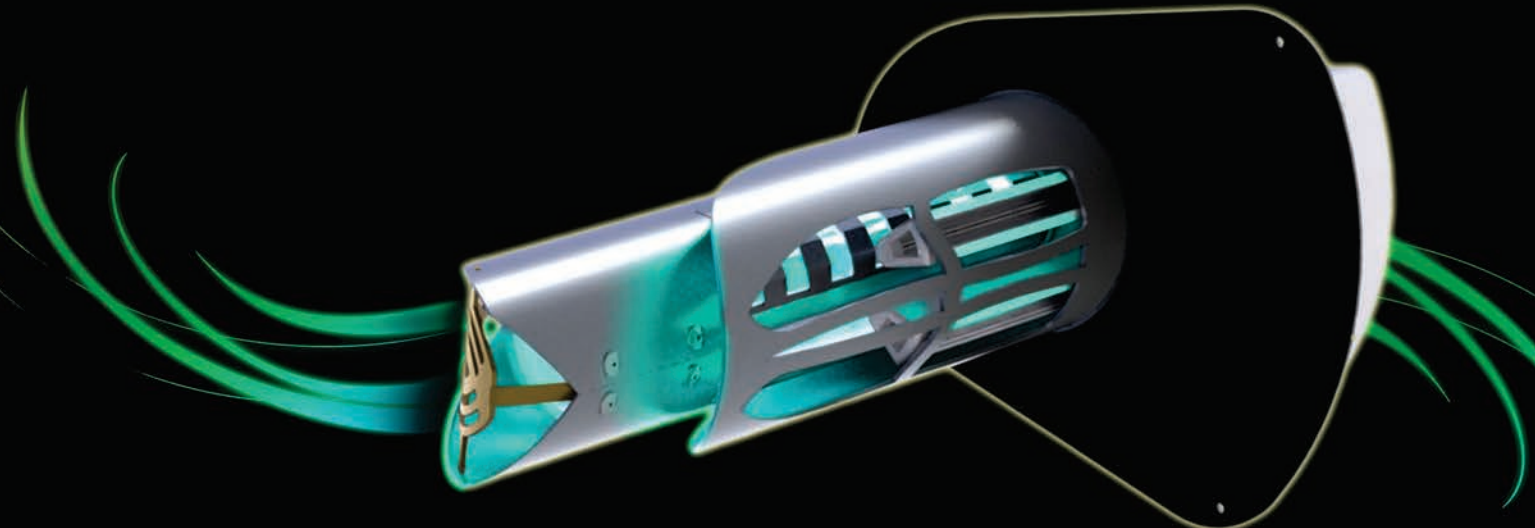
Strep\*



MRSA\*

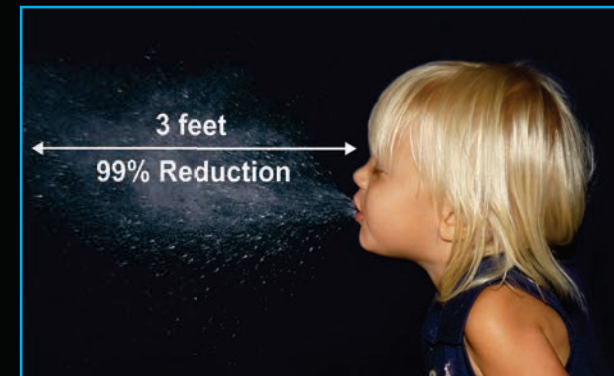


Gases & Odors



REME HALO

The REME HALO™ by RGF® is designed to eliminate sick building syndrome risks by neutralizing odors, particulate, air pollutants, VOCs (chemical odors), smoke, mold bacteria and viruses. The REME HALO™ is easily mounted into air conditioning and heating systems air ducts where most sick building problems start. When the HVAC system is in operation the REME HALO™ 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.



Kansas State University Study

- QUICK RELEASE FEATURE  
NO TOOLS REQUIRED FOR SERVICING
- KILLS BACTERIA, MOLD AND VIRUSES
- REDUCES ODORS, PARTICULATE, SMOKE AND VOCs
- RECOMMENDED BY MAJOR HOTEL AND RESTAURANT CHAINS, CRUISE LINES FOR NORWALK VIRUS PROTECTION AND MILITARY FOR MOLD REDUCTION
- KILLS 99% OF SNEEZE GERMS WITHIN 3 FEET
- NEW ZINC IONS KILLS 99% OF VIRUSES ON SURFACES

Independently tested on surfaces and airborne 99+% kill rate  
Note: The REME Cell is not a medical device and no medical claims are made

Patent-pending



Made In America

**5 YEAR WARRANTY**

Green Product Average  
Uses Only 13 Watts



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