

About RGF



Customer Service Award.

Innovation

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



Our AutoCAD service provides fast, accurate designs.

Design

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



Patented Technology

RGF has been a leader in patented Environmental Technology.



Advanced Oxidation

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

the USDA / FDA / FSIS for food processing.

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Benefits

By utilizing the latest state of the art sanitation technology, RGF provides a media recognition event for positive press. By taking a proactive approach you may be eligible for insurance rate reductions and you will be adding value by providing a safer product.



R & D

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



Custom Applications & Components

RGF's award winning engineering team custom designs systems for wastewater recycling, ozone, pesticides, marine, and laundry treatment.



Lab

RGF maintains a state-of-the-art analytical lab, which will provide free water testing for as long as you own your RGF system to assure continued performance. This assures our customers that, should your waste stream change, you will be able to make the appropriate modifications to meet your needs.



Envision

The "World's First Environmentally Friendly Mega Yacht" serves as a working showroom for RGF's Advanced Oxidation products.



RGF®

ENVIRONMENTAL

Refrigerator Sanitizer and Food Life Extender System

A REME™ Technology

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



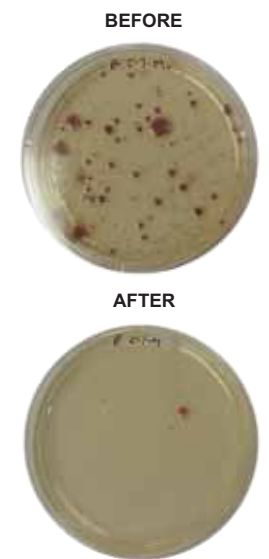
Patent Pending

Average family wastes 30% of refrigerated food due to spoilage

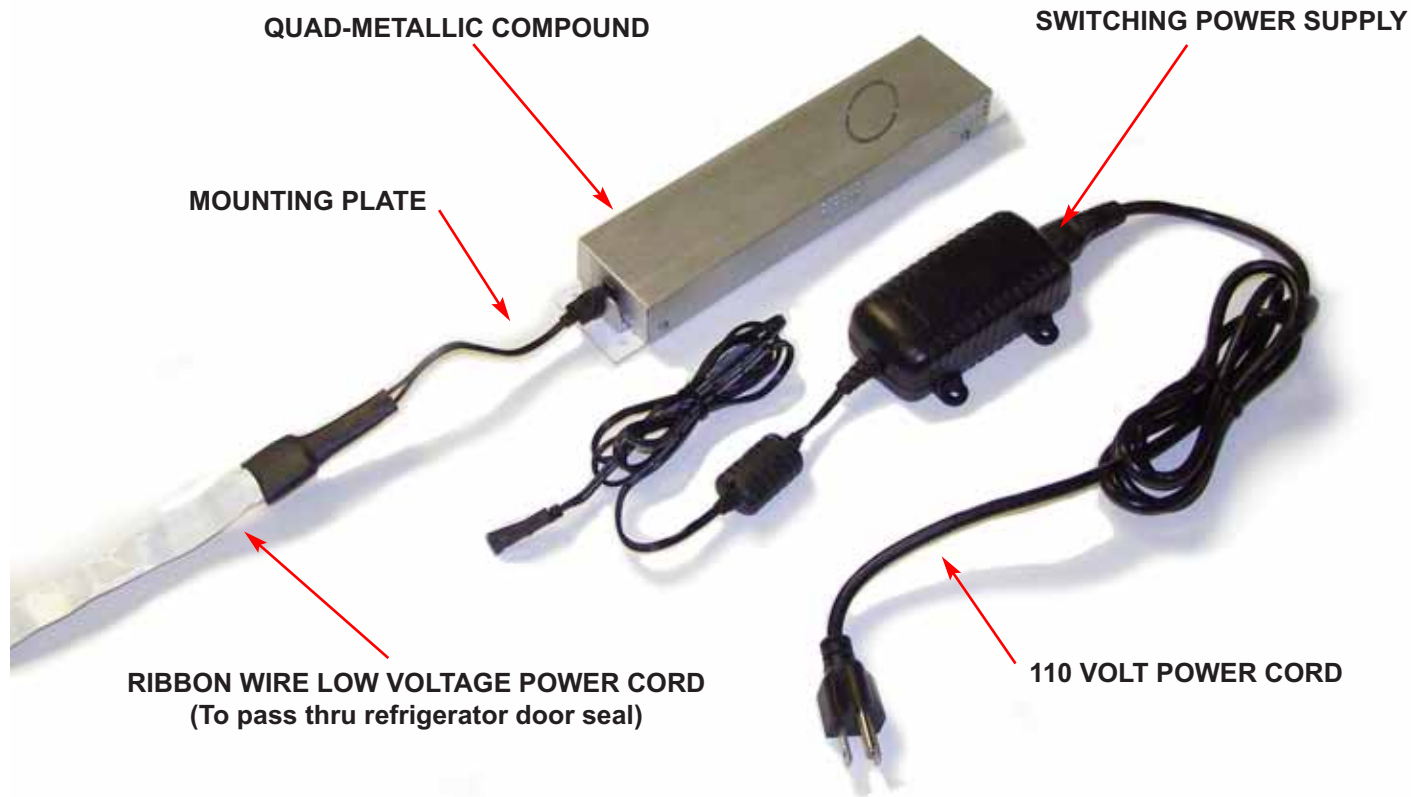
The Refrigerator Sanitizer and Food Life Extender by RGF® is designed to eliminate odors, air pollutants, VOCs (chemical odors), mold bacteria and viruses. The Refrigerator Sanitizer and Food Life Extender is easily mounted without the need of tools or modifications to your refrigerator. The Refrigerator 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 RGF's REME™ Technology ?

With a REME™ 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.



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
•Warranty:	3 years on parts
•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.
MINI-REFER-PHI-12	Up to 100	2.25"W x 10.5"L x 1.25"D	1 lbs.



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). REME+™ also has the ability to super charge these hydroperoxides or ionize them into Ionized-Hydro-Peroxides™.

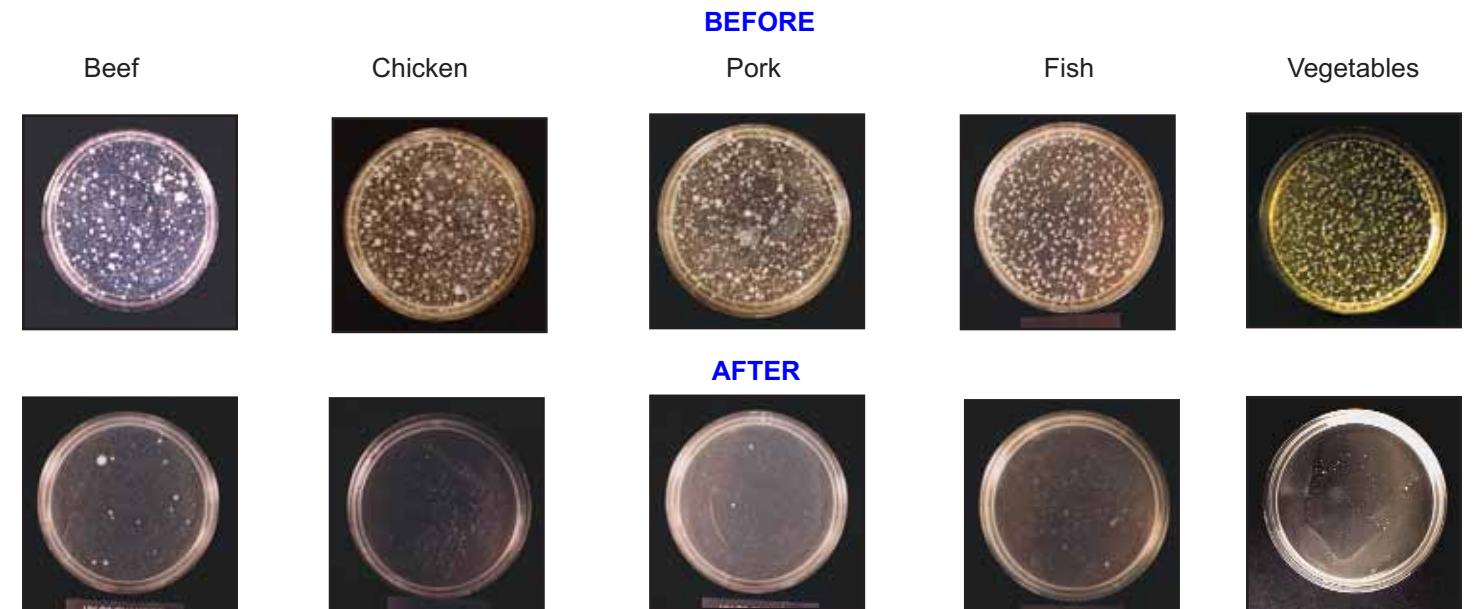
Ionized-Hydro-Peroxides™ are very effective at destroying harmful microbials in the air and on surfaces. As oxidants, they do this by either destroying the microbe through a process known as cell lysing or by changing its molecular structure and rendering it harmless (which is the case in VOC's and odors). 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 1 million Advanced Oxidation products successfully used worldwide without a safety problem.

Lab Results

Samples of university, independent lab tests and major corporation studies

- ISO-Level 3 particulate reduction in a bio-chamber (better than HEPA Filtration)
- 4-log reduction (99.99%) surface bacteria/virus reduction
- Over 80% VOC reduction
- 88% of microbes in human sneeze killed at 3 feet
- 97% airborne bacterial reduction
- 99% reductions of Ecoli, Listeria, Strep and Bird Flu
- 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)
- 99% food surface microbial reduction
- Up to 40% increase in food shelf life
- 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



Actual reductions of harmful microorganisms