

## ADVANCED OXIDATION PANEL



Patent Pending

- Continuously kills bacteria, mold and yeast
- Modular construction
- Easily retrofitted to your process
- All stainless steel
- Reduces liability concerns
- Easily accessed for cleaning
- No chemicals
- All natural Advanced Oxidation process
- Low energy consumption
- PHI Module included on all models

### SPECIFICATIONS

	AOHP-1236	AOHP-2436	AOHP-3636
Material	316 Stainless Steel		
Electrical (120 / 230V)	6 / 3 Amps	12 / 6 Amps	18 / 9 Amps
Weight	25 lbs.	40 lbs.	60 lbs.
Dimensions	12" x 36"	24" x 36"	36" x 36"
Lamps	6	12	18

**Advanced Oxidation Panel**, is designed for the food processing industry. Equipment and in particular, conveying surfaces can become contaminated during processing. This occurs when bacteria accumulate on the conveyor belt surface as a result of human error or when contaminated product transfers pathogens to the belt. While wet chemical sanitation systems exist, there are no alternative non-aqueous systems available for keeping belts as well as food product surfaces continuously sanitized. This would be true in most cases immediately prior to packaging, since excess moisture is not desirable in sealed packages. Ready-to-eat products such as lunchmeats, hot dogs, as well as some raw meat and poultry products are specific cases in point. In response to this need, and to assist the food processor in protecting final product between full plant wash down and sanitation procedures, RGF has developed a non-chemical anti-microbial hood.

**Advanced Oxidation Panel** is designed to be placed at the end of the food conveying process line just prior to packaging or other locations where conveying surfaces may create cross contamination potentials to food products. This dry environment process incorporates high intensity targeted ultra-violet light and Photohydroionization<sup>®</sup> (PHI) to create a powerful sanitizing environment for all conveying surfaces. Each emitter is protected by stainless supports and special FDA approved high impact polymer shrouds, designed to protect glass from entering the work environment in case of breakage. The internal system surfaces are made of mirror polished stainless to maximize reflectivity and reduce issues of shadowing. The unit can be mounted above augers or above or below conveyors for maximum exposure to food contact surfaces.

# About RGF



Customer Service Award.

## Innovation

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



design, and environmental law. Our 3D printers give us rapid design ability.

## Design

Our R&D technical staff consists of the following specialists: Advanced oxidation, biological, mechanical, chemical, water treatment engineering, electrical, nuclear, fabrication,



## Patented Technology

RGF has been a leader in patented Environmental sanitation / purification technology and products for air, food and water.



## Lab

RGF maintains four fully equipped labs. R&D - Mechanical, Electrical (UL approved), R&D Food and a wet



## Manufacturing

RGF is a fully vertical manufacturer. Our 100,000 square foot facility has electrical/mechanical assembly, injection molding, assembly line, custom engineering, welding, painting, mold

making, machining and marine fabrication



RGF manufactures over 500 environmental products

## Validation

RGF first developed its Advanced Oxidation Technology over 20 years ago. Over 1 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.



## 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 air, food, water and marine purification technology and products



## 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 and air purification systems.



## Envision

The "World's First Environmentally Friendly Mega Yacht" serves as a working showroom for RGF's Advanced Oxidation products. Envision uses and displays over 50 RGF products.



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