

## **Automate**

*Removal of Oil and Grease from  
Kitchen Hoods and Ducts*

## **Control**

*Fire Hazards and Odor*

# **OGR**

**Oil, Odor, and Grease Removal**

- Automates manual cleaning
- Removes fire hazards due to grease and oil buildup
- Removes odor from exhaust air
- Chemical-free cleaning solution
- Works with every kitchen hood and duct
- Reduces time used for maintenance and labor



**BIOZONE**  
SCIENTIFIC INTERNATIONAL

# Automated and Chemical-free Kitchen Hood and Duct Cleaning Solution



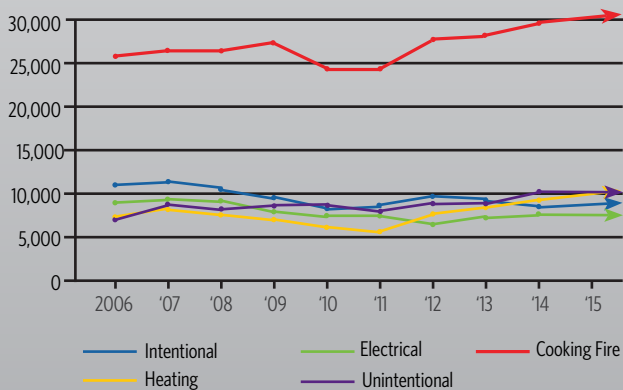
## Fire Risk On The Rise Due To Accumulation Of Grease And Oil

Grease buildup in the kitchen exhaust system is one of the most serious hazards to a commercial cooking area.

Commercial and industrial kitchens with kitchen hoods or duct ventilation systems can be tremendously burdened by a buildup of grease and oil.

30,000 fires a year in non-residential buildings in the United States are caused by cooking

Non-residential Building Fires per Year



Source: The Federal Emergency Management Agency



FEMA

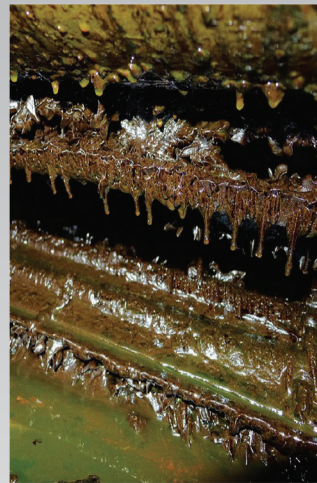
## Introducing The OGR Solution From BioZone Scientific

The OGR solution is an automated, chemical-free treatment system that reduces the accumulation of grease, oil, and unwanted food odors from commercial and industrial kitchens.

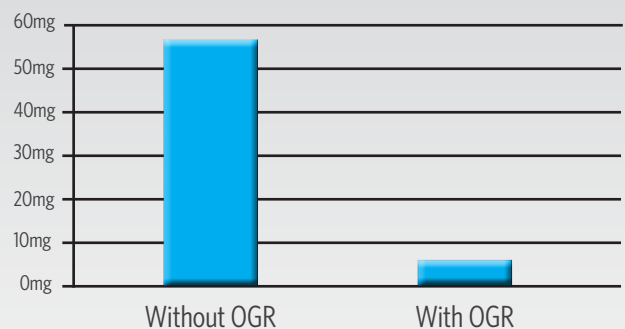
The OGR solution combines the power of ultraviolet oxidation and UV photolysis to prevent the accumulation of oil and grease particles while eliminating food odors in kitchen exhaust systems.

Without OGR

With OGR



Amounts of Airborne Grease and Oil



Using the OGR solution can result in a **95% reduction** in grease and oil.

Source: Reported by SGS validation of OGR

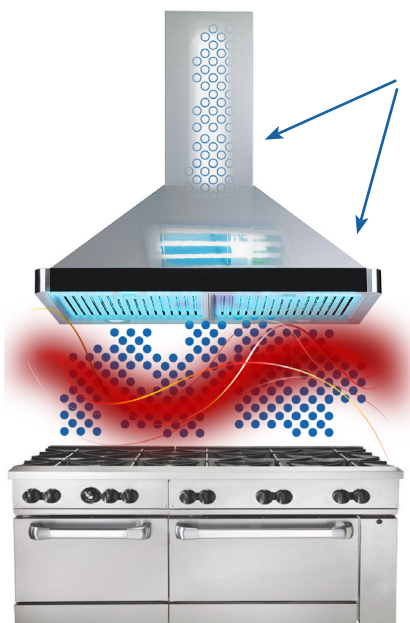
## Benefits Of OGR

- Reduces kitchen hood and ventilation system maintenance costs
- Decreases fire hazards in exhaust systems
- Saves time spent on manual cleaning
- Reduces food odor emissions
- Works with every kitchen hood and duct combination

## The BioZone Advantage

Ultraviolet light is a naturally-occurring, powerful, and effective disinfectant. It is perfectly designed to destroy odors, bacteria, viruses, mold, and mildew, and to break down unwanted chemicals and compounds.

BioZone's patented solutions use a mix of technologies and ultraviolet light to reduce airborne grease, oil, and pollutants.



OGR technology integrated with the kitchen hood removes oil, grease, and odors

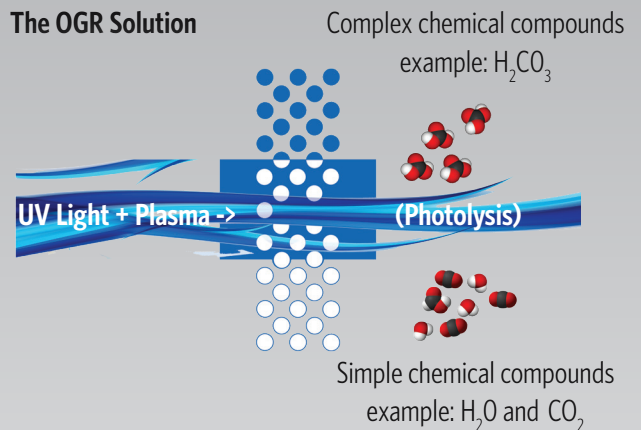
BioZone's technology uses UV light and plasma to oxidize grease particles in the hood and throughout the duct. The solution is exceptionally effective against particles too small to be captured by baffles, ensuring complete treatment for the entire system.

## OGR Technology Harnesses Light and Plasma

Photolysis is the use of UV light and plasma to split complex chemical compounds, allowing them to recombine into simpler compounds.

The OGR solution uses attenuated light and plasma to break down the chemical compounds created by normal kitchen operations, such as oils, fats, and oleic acid.

## The OGR Solution



The resulting simple compounds are naturally-occurring and can be safely released into the atmosphere.

## Contact BioZone Today

If your customers can benefit from an automated, chemical-free cleaning system for their kitchen hoods and ductwork, contact us today.

We're happy to provide additional information, including technical specifications and a simple implementation timeline.



Designed and built in the United States of America

## About BioZone Scientific

BioZone Scientific designs and manufactures ultraviolet light commercial and industrial applications, creating systems for sanitation, preventive maintenance, and odor control solutions. We serve customer needs through our commitment to science, total solutions, and support. BioZone's systems are used in restaurants, healthcare facilities, schools, hotels, airports, and other commercial institutions.

Headquartered in Orlando, Florida, we serve clients globally, with offices in 5 countries on 3 continents.



Recipient of the National Restaurant Association's  
2014 Kitchen Innovations Award

Named to the 2014 Florida Companies to Watch list



FLORIDA  
COMPANIES TO WATCH™  
CELEBRATING SECOND-STAGE ENTREPRENEURS



Environmental Management System certified to ISO  
14001 standards

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