

# ODOUR AND GREASE REMOVAL

*Eliminate odours. Reduce fire risks. Cut down on costly maintenance.*



## REDUCE FIRE RISK

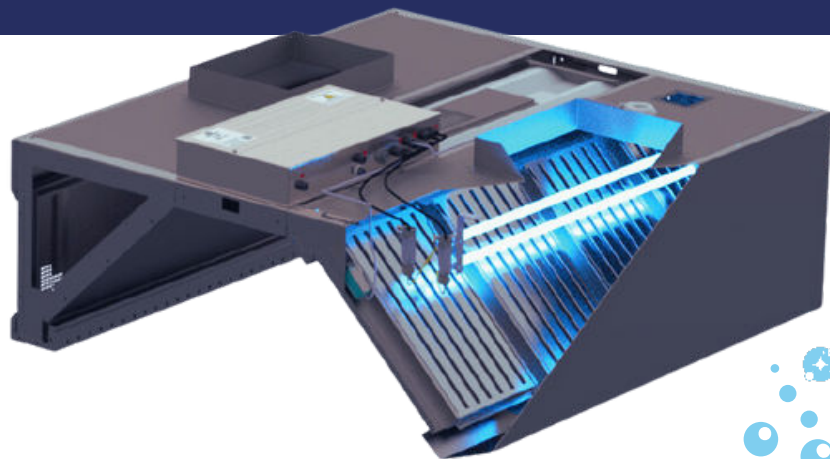
Prevents grease buildup in hoods, ductwork, and exhaust systems, significantly lowering the risk of kitchen fires. It enhances safety for kitchen staff and diners.

## ELIMINATE ODOURS

Stops unpleasant kitchen smells at the source by breaking down odour molecules in the air. Unlike traditional methods that only mask odours, it provides a continuous solution, ensuring a fresh and clean kitchen environment.

## CUT CLEANING COSTS

Reduces the need for frequent deep cleaning, manual scrubbing, and costly professional maintenance. With our solution working around the clock, establishments can save on labor costs, cleaning chemicals, and downtime.



## IMPROVE VENTILATION EFFICIENCY

Keeps ventilation systems running smoothly by preventing blockages caused by grease accumulation. Ensuring proper air circulation and extending the lifespan of kitchen exhaust equipment, reducing the need for repairs and replacements.

### TRUSTED BY:

- **Restaurants & Fast-Food Chains** – Keep hoods and ductwork spotless.
- **Hotels & Hospitality** – Maintain top hygiene standards.
- **Cafés & Bakeries** – Prevent odour issues in open-plan kitchens.

### TECHNICAL SNAPSHOT:

**Simple Installation:** Quick and adaptable to all kitchen exhaust systems.

**Certified Safe:** Meets hygiene and fire safety standards.

**Low Maintenance:** Requires a simple annual lamp replacement to continue removing grease and odours.

### KEY FEATURES:

- **Universal Compatibility:** Works with all models of kitchen hood.
- **Sustainable ROI:** Saves money and reduces environmental impact.
- **Automatic & Continuous Cleaning:** Works 24/7 to maintain pristine hoods.

### HOW IT WORKS:

Utilizes Photoplasma Technology to continuously break down grease and odour molecules as they travel through the ventilation system, preventing buildup before it starts.

💡 Available as a kit with everything you need in the box, or as a custom solution.

# THE SCIENCE BEHIND ODOUR & GREASE REMOVAL'S EFFECTIVENESS



## TESTING:

This performance test was conducted by CMA Testing and Certification Laboratories to evaluate the effectiveness of the Odor and Grease Removal (OGR) system in removing oil mist from cooking fumes. The system was tested by generating oil mist at approximately 100 ppm to simulate typical kitchen exhaust conditions.

Configuration	Sampling Location	Results (mg/dscm)	Removal Efficiency (%)
Duct type - Trial 1 A	Inlet	70.1	91.9
	Outlet	5.70	
Duct type - Trial 2 A	Inlet	86.5	95.0
	Outlet	4.31	

## REAL LIFE SUCCESS STORIES:



**The Problem:** In 2023, a BurgerFi restaurant chain struggled with persistent odour complaints from residents and high grease cleanup costs.

**The Solution:** After seeing a successful demonstration, the chain installed the Odor & Grease Removal (OGR) system.

**The Outcome:** Within four months, the system **eliminated 100% of cooking-related odours and significantly reduced manual cleaning**. Delighted with the results, the client fully endorsed OGR as a game-changing solution.



**The Problem:** In 2023, a KFC store in Colombia faced severe odour issues from grease buildup, leading to **legal threats**.

**The Solution:** The Odor & Grease Removal (OGR) system was installed in the kitchen hoods, cutting grease, oil, and odours by over 95% in just three months.

**The Outcome:** Complaints stopped, legal risks disappeared, and the restaurant's reputation improved, restoring positive community relations.



**The Problem:** Maxim's Food Production Centre faced excessive grease buildup in its kitchen exhaust system, creating a fire hazard and triggering odour complaints.

**The Solution:** They installed a Photoplasma-based Odor & Grease Removal system and measured its impact using glass plates inside the ducts.

**The Outcome:** The system delivered outstanding results, reducing grease levels by up to 95%. This improved air quality, lowered fire risk, and eliminated odour complaints.

# PRODUCT SPECIFICATION

## ODOUR & GREASE REMOVAL



### POWER INFORMATION:

<b>Input Voltage:</b>	200-240 VAC + 10%
<b>Input Frequency:</b>	50/60 Hz
<b>Current:</b>	1.8A per OGR Lamp
<b>Material:</b>	304 Stainless Steel
<b>Operating Temperature:</b>	32-160°F (0-70°C)

### SPECIFICATIONS:

<b>Length:</b>	303mm
<b>Width:</b>	108mm
<b>Height:</b>	52mm
<b>Weight:</b>	0.51kg
<b>Color:</b>	White

### REORDER INFORMATION:

<b>Replacement Lamp</b>	<b>Code</b>
700mm Photoplasma Lamp:	10-U28100
1000mm Photoplasma Lamp:	10-U40100
1500mm Photoplasma Lamp:	10-U60100

### KIT OPTIONS:

<b>Kit Name:</b>	<b>Product Code:</b>
OGR Small Kit 1 LAMP:	OGR KIT 700-1
OGR Small Kit 2 LAMP:	OGR KIT 700-2
OGR Small Kit 3 LAMP:	OGR KIT 700-3
OGR Small Kit 4 LAMP:	OGR KIT 700-4
OGR Regular Kit 1 LAMP:	OGR KIT 1000-1
OGR Regular Kit 2 LAMP:	OGR KIT 1000-2
OGR Regular Kit 3 LAMP:	OGR KIT 1000-3
OGR Regular Kit 4 LAMP:	OGR KIT 1000-4
OGR Large Kit 1 LAMP:	OGR KIT 1500-1
OGR Large Kit 2 LAMP:	OGR KIT 1500-2
OGR Large Kit 3 LAMP:	OGR KIT 1500-3
OGR Large Kit 4 LAMP:	OGR KIT 1500-4

### INCLUDED PARTS:

<b>1.</b>	Ballast Box
<b>2.</b>	Control Box
<b>3.</b>	Control Cable
<b>4.</b>	Baffle Switch Pack
<b>5.</b>	Pressure Switch Pack
<b>6.</b>	Direct Connect Cable Assembly
<b>7.</b>	Ballast to Hood Cable
<b>8.</b>	Photoplasma Lamp(s)
<b>9.</b>	Lamp Bracket Pack
<b>10.</b>	Lamp Clip Pack

### WARRANTY:

Biozone Scientific offer a 1-year standard warranty on the product. An additional 1-year warranty is available when the user registers the product via the warranty card/online registration form.