

# CLEANAUST

**MAYAIR**

**COMMERCIAL KITCHEN FILTRATION SYSTEM**



[enquiry@mayairgroup.com](mailto:enquiry@mayairgroup.com)



[www.mayairgroup.com](http://www.mayairgroup.com)

# 8 Steps in transforming your Kitchen Exhaust System

## Site Assessment

Study current kitchen exhaust design and determine feasibility

## Define Cooking Style

Define the cooking styles to find out the most suitable solutions

## Justify Odor Control

Justify the needs for odor control solution both in and out of the kitchen area

## Ensure Particle Control

Select the right models and ensure correct positioning of the particle control solution

## Standards Compliance

Make sure that your equipment are complied to the standards and regulations

## System Installation

Never settle for less. Only trained personnels are appointed for installation

## Trial Run Inspection

Carry out trial run inspection to ensure the performance are up to expectations

## Scheduled Maintenance

To keep your system in good condition and performing at its peak with routine cleaning

# MayAir

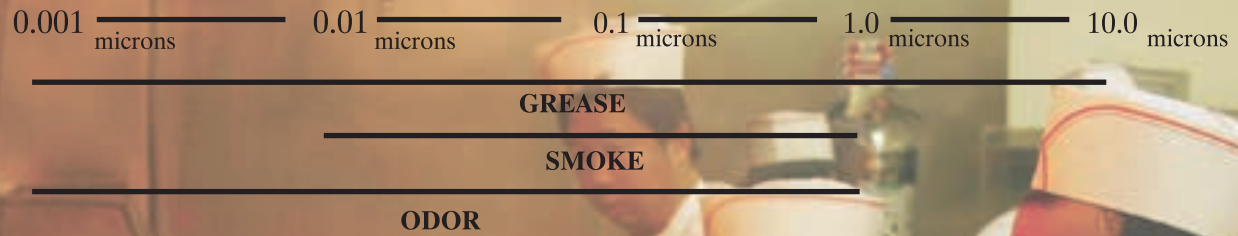
## The Clean Air Expert

The pervasiveness of air pollution has led many countries to draw policies and laws to address this problem. This clearly shows that clean air has not only become an important commodity but also regarded as an asset.

MayAir Group is a proven regional leader in air filtration and clean air technology. With a team that benefits from over 20 years' fieldwork and experience, we have emerged as a dependable producer and developer of highly effective air filtration equipment and clean air solutions.

Our mission: to deliver clean, healthy environments.

**Different types of cuisine produce different levels of grease, smoke and odour.**



# odor buster



“The ozone generator harnesses advanced oxidation technology, generating ozone and injecting it directly into the kitchen ventilation system. It acts on cooking odors and grease through the process of ozonolysis, any excess ozone is then converted to oxygen.”

## Odor and grease control in ducted systems

### Operational & Environmental Benefits

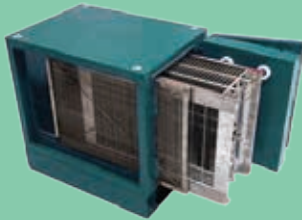
- ✓ Instant odor control with up to 90% odor reduction
- ✓ Silent operation as existing fans draw ozone through
- ✓ No contamination – Install externally of system flow
- ✓ Keeps ductwork virtually grease free
- ✓ Reduces ductwork cleaning and servicing frequency
- ✓ Reduces fire risk from grease building up in duct
- ✓ Low maintenance and service
- ✓ Easy to retro-fit – No additional fan upgrade needed
- ✓ No consumable chemicals
- ✓ Fully recyclable stainless steel and glass construction

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## Product Specifications

Model	M-KOZ-01	M-KOZ-02
Dimension (WxHxD)	307x343x185 mm	307x343x185 mm
Volume Flow Rate	Up to 1.5 m <sup>3</sup> /s	Up to 2.0 m <sup>3</sup> /s
Air Volume	5400 cmh	7200 cmh
Weight	10 kg	12 kg
Power Consumption	140 W	210 W
Power Supply	230 V / 1 Ph / 50 Hz	230 V / 1 Ph / 50 Hz

# particle eliminator



**“Electronic air cleaner works by charging the smoke and grease particles as they pass through an ionization field. The charged particles will then be collected in collection zone made up of oppositely charged metal plates.”**

## Smokes, oil mists and grease control in ducted systems

### Operational & Environmental Benefits

- ✓ Highly efficient even at high flow rates
- ✓ Get rids of up to 90% of grease and smoke particles
- ✓ Keeps ductwork virtually grease free
- ✓ Reduces ductwork cleaning and servicing frequency
- ✓ Reduces fire risk from grease building up in duct
- ✓ Low pressure drop
- ✓ Low power consumption
- ✓ Easy maintenance and service
- ✓ Long lasting components up to 10 years
- ✓ No consumable chemicals

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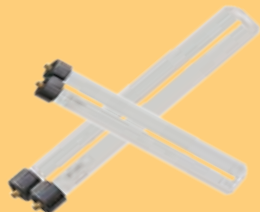
## Product Specifications

Model		M-KEAC-01	M-KEAC-02	M-KEAC-03
Dimension (WxHxD)		630x540x550 mm	1090x540x550 mm	1550x540x550 mm
Ionizer quantity		1	2	3
Power consumption		30 W	50 W	70 W
Initial resistance		≤70 Pa	≤70 Pa	≤70 Pa
Air Volume & Efficiency	PAO	90% @ 1000 cmh	90% @ 2000 cmh	90% @ 3000 cmh
	ASHRAE52.2	MERV 15 @ 2000 cmh	MERV 15 @ 4000 cmh	MERV 15 @ 6000 cmh
Weight		55 kg	90 kg	125 kg
Optional add-on		Oil Collection Tray (M-KOCT-01)	Oil Collection Tray (M-KOCT-02)	Oil Collection Tray (M-KOCT-03)
Dimension (WxHxD)		550x499x120 mm	Front: 550x499x120 mm Back: 550x502x120 mm	Front: 550x499x120 mm Back: 550x502x120 mm

**MayAir®**

Clean Air Our Future

# germicidal degreaser



“Approximately 95% of the ultraviolet energy emitted is at the mercury resonance wavelength of 254 nanometers, falls in the region of maximum germicidal effectiveness and is highly lethal to virus, bacteria, protozoa and mold.”

## Particles and odor control in ducted systems

### Operational & Environmental Benefits

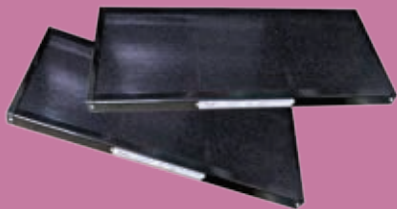
- ✓ Proven efficient odor control solution up to 90% removal efficiency
- ✓ Modular in design
- ✓ Can be incorporated with electronic air cleaner for the ease of installation
- ✓ No fire hazard from grease deposits
- ✓ Easy maintenance and replacement
- ✓ Reduction of kitchen operation downtimes
- ✓ Low capital and running costs

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## Product Specifications

Model	M-KUV-01	M-KUV-02	M-KUV-03
Housing Dimension (WxHxD)	520x540x170 mm	980x540x170 mm	1440x540x170 mm
Module Quantity	1	2	3
Module Dimension (WxHxD)	470x465x70 mm	470x465x70 mm	470x465x70 mm
UV light dimension (WxHxD)	44x376x16 mm	44x376x16 mm	44x376x16 mm
Lamp Ballast	36 W	36 W	36 W
Air Volume	2000 cmh	4000 cmh	6000 cmh

# effective absorbent



“The effectiveness and lifespan of activated carbon filters are based on the weight and contact time. For instance, the greater the weight in a carbon unit would result in higher capacity of kitchen exhaust system odor removal.”

## Oil mist and odor control in ducted systems

### Operational & Environmental Benefits

- ✓ V banks are designed to remove and control gas/ vapor contaminants
- ✓ Proven efficient odor control solution up to 90% removal efficiency
- ✓ Modular in design
- ✓ Can be incorporated with electronic air cleaner for the ease of installation
- ✓ Constant pressure drop during operation
- ✓ Easy maintenance and replacement

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## Product Specifications

Model	M-KCF-01	M-KCF-02	M-KCF-03
Housing Dimension (WxHxD)	520x540x900 mm	980x540x900 mm	1440x540x900 mm
Carbon Tray Quantity	10	20	30
Carbon Tray Dimension (WxHxD)	510x835x20 mm	483x835x20 mm	474x835x20 mm
Air Volume	2000 cmh	4000 cmh	6000 cmh

## manufacture

Our research and development efforts focus on creating technologies that effectively and swiftly remove pollutants and purify air.

Our products are vigorously tested to achieve the highest levels of effectiveness. As such, we have achieved a reputation for satisfying the strictest industry standards, with our products fulfilling the requirements for use in highly sensitive environments.

Our aim is to produce the highest quality products and we take every measure to ensure that there are no compromises.

## installation

Our experienced team of engineers are fully qualified to safely and efficiently install the Cleanaust commercial kitchen filtration system to your kitchen.

We will install, test and commission the filtration devices to maximise the elimination of kitchen emissions.

Also included in the installation process is:

- Staff training
- Full product manuals
- After sales cover

## maintenance

The Cleanaust Service Plan will keep your systems performing at their peak. Choose from a well-designed 1, 3 or 5-year service plan to cover both planned preventative maintenance and specialist maintenance and repair.

Service you can trust:

- Schedule maintenance of Cleanaust system
  - Approved service & maintenance team
- Tailor-made service plans of 1, 3 or 5 years
  - Extended warranty for parts

## replacement

Measuring our quality against documentation expectations, we practice continuous improvement methods to continue to create and innovate our highly effective clean air solutions.

Filtration parts should always be changed or replaced regularly based on our recommendations. With optimum service, your kitchen ventilation system will be kept clean and running efficiently. This reduces your maintenance costs and extend the overall life of the kitchen ventilation system.