



# Kitchen Exhaust Filtration System

Clean Air, Our Future



[www.mayair.com.my](http://www.mayair.com.my)



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**Light Duty**

Appliances Type:

1. Ovens
2. Steam-Jacketed Kettles
3. Compartment Steamers
4. Cheesemelters
5. Rethermalizers

**Medium Duty**

Appliances Type:

1. Hot Top Ranges
2. Griddles
3. Double-Sided Griddles
4. Fryers
5. Pasta Cooker
6. Conveyor Ovens
7. Tilting Skillets
8. Braising Pan
9. Rotisseries

**Heavy Duty**

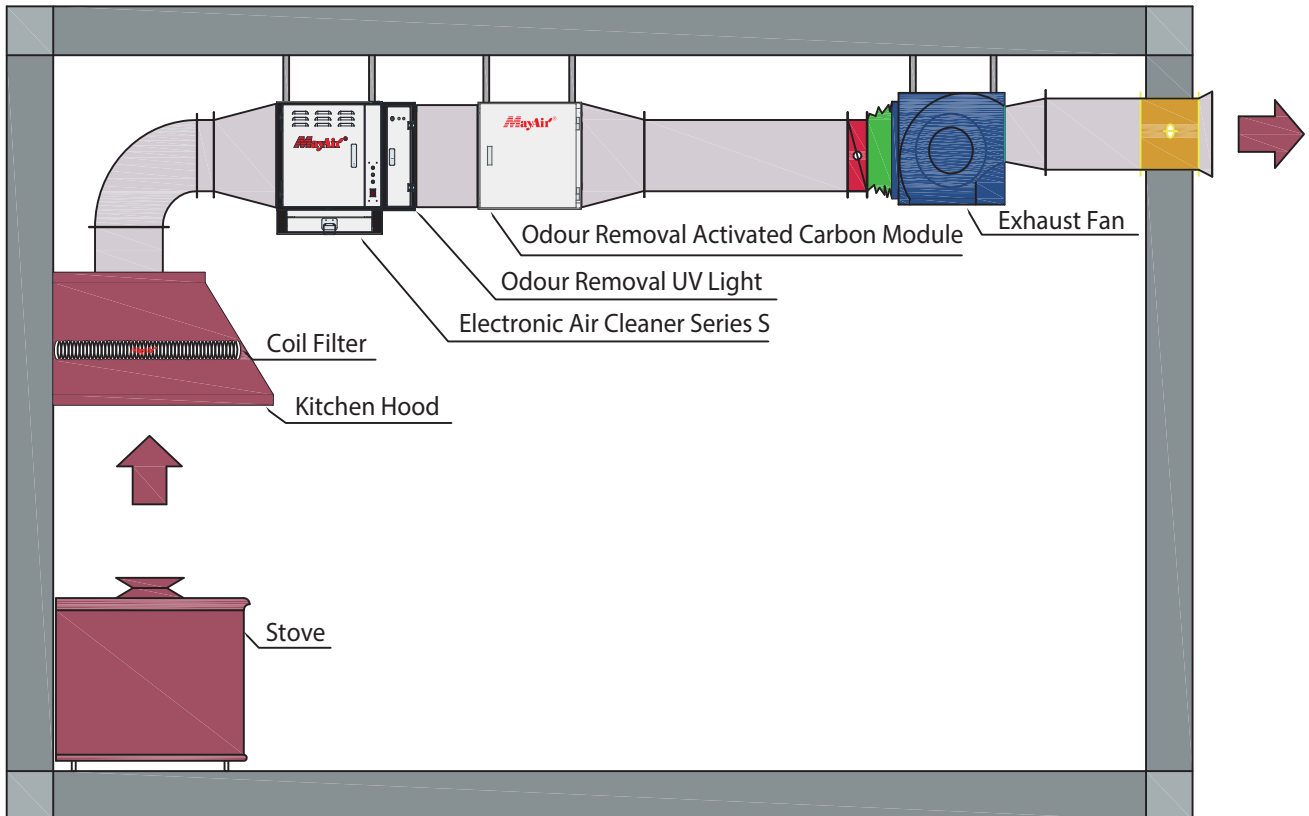
Appliances Type:

1. Open-Burner Ranges
2. Gas Underfired Broilers
3. Chain Conveyor Broiler
4. Wok Ranges Overfired
5. Salamander Broilers

**Extra-Heavy Duty**

Appliances using solid fuel such as wood, charcoal, briquettes, and mesquite to provide all or part of the heat source for cooking

**Installation - Low Level Emission**

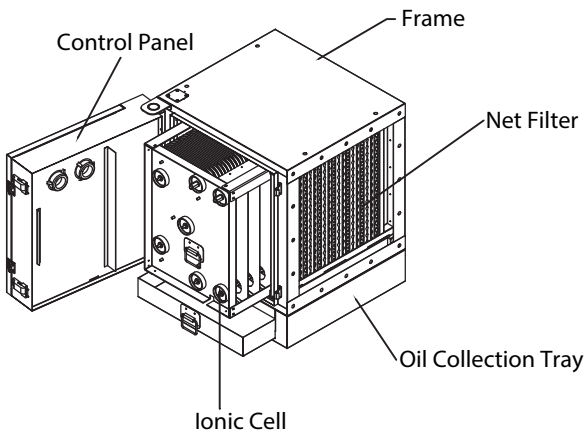


Note: Kitchen exhaust system configuration to be proposed based on individual requirements & needs.



- 01 PWM bipolar steady-state power module control, ionization section voltage 12000V, dust collection section voltage 6000V, higher efficiency, better stability
- 02 The ionizer is made of durable stainless steel plate, while the dust collecting module is made of aviation aluminium alloy plates, which are corrosion resistant.
- 03 It is equipped with running, cleaning alarm and fault alarm signal indicators, and provides a communication interface with the building's self-control connection, which is smarter and more convenient
- 04 High waterproof performance, do not need canopy for outdoor installation
- 05 Double protection interlocking system

**Product Structure**



**Product Certifications**

- Certified on Standard for Safety UL 867: Electrostatic Air Cleaners
- Certified on CE for Low Voltage Directive 2014/35/EU, EN 60335-1, EN 62233
- EN 1822: PAO Tested
- NIOSH 5026 : >95% single pass efficiency
- ASHRAE 52.2 : Up to MERV 15 single pass efficiency



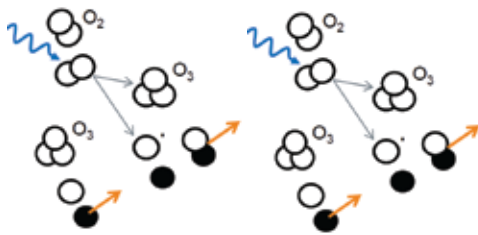
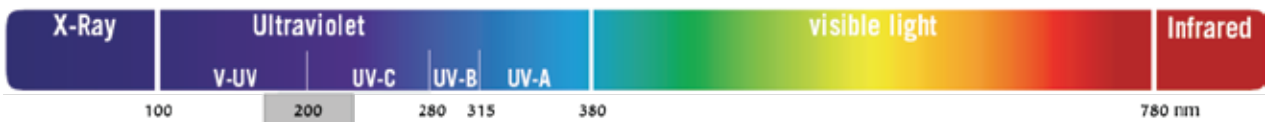
**Specifications**

Model	EAC-630x540x550-KE-SP	EAC-1090x540x550-KE-SP	EAC-1550x540x550-KE-SP	EAC-2010x540x550-KE-SP	EAC-2470x540x550-KE-SP
Dimension WxHxD (mm)	630x540x550	1090x540x550	1550x540x550	2010x540x550	2470x540x550
Rated Air Flow (CMH)	2,000 - 3,100	4,000 - 6,200	6,000 - 9,300	8,000 - 12,400	10,000 - 15,500
Efficiency (%)	>90%	>90%	>90%	>90%	>90%
Power (W)	32	65	95	120	160
Pressure Drop (Pa)	≤70	≤70	≤70	≤70	≤70
Weight (kg)	45	70	95	120	145
<b>Accessory: Oil Collection Tray</b>					
Dimension WxHxD (mm)	500x120x550	500x120x550	500x120x550	500x120x550	500x120x550
Weight (kg)	13	22	22	22	22



- 01 Module splicing to meet different air volume requirements
- 02 Epoxy powder coating, anti-corrosion and anti-rust
- 03 Equipped with running and fault alarm signal indicators
- 04 Recommended to reserve at least 2 seconds of reaction time.

**Working Principle**



**184nm Ultraviolet Beam**  
 Reacts with oxygen in the air to form ozone, and continuously oxidizes and decomposes alcohols, esters, phenols, aldehydes, ketones, ethers, benzenes, etc. into odorless molecule such as water vapor.

**Specifications**

Odour Removal UV Light (2 Pieces: Light Duty Module)					
Model	UV01-499x540x174-KE	UV01-959x540x174-KE	UV01-1419x540x174-KE	UV01-1879x540x174-KE	UV01-2339x540x174-KE
Dimension WxHxD (mm)	499x540x175	960x540x175	1420x540x175	1880x540x175	2340x540x175
Power (W)	80	160	240	320	400
Pressure Drop (Pa)	<20	<20	<20	<20	<20
Weight (kg)	12	21	30	39	48

Odour Removal UV Light (6 Pieces: Heavy Duty Module)					
Model	UV01-630x540x470-KE	UV01-1090x540x470-KE	UV01-1550x540x470-KE	UV01-2010x540x470-KE	UV01-2470x540x470-KE
Dimension WxHxD (mm)	630x540x470	1090x540x470	1550x540x470	2010x540x470	2470x540x470
Power (W)	220	440	660	880	1100
Pressure Drop (Pa)	<30	<30	<30	<30	<30
Weight (kg)	30	46	62	78	94



### Working Principle

The principle of activated carbon adsorption is adopted to effectively remove VOC organic substances such as lipids, aldehydes, alcohols and benzenes in fumes.

**01** Tray type structure, large contact area and long reaction time

**02** The raw materials of activated carbon granules are coal, coconut shell and wood.

**03** The raw materials are processed. During the steaming process, the adsorption surface area becomes larger and the pores increase.

**04** Purification efficiency >90%, energy saving and environmental friendly, no secondary pollution.

### Specifications

V- Shaped Odour Removal Activated Carbon Filter			
Model	CBU-521x540x650-U1-01	CBU-530x540x730-V6-01	CBU-530x540x730-V6-02
Type of Structure	U-Shaped	V-Shaped	V-Shaped
Rated Air Flow (CMH)	2,400 - 4800	2,400 - 4,800	2,400 - 4,800
Pressure Drop (Pa)	>800	150-550	140-550
Type of Media	Granular Activated Carbon	Granular Activated Carbon	Plastic Honeycomb Activated Carbon
No. of Filter Required	1	6	6
Filter Weight (kg)	28	7	4
Application Type (Duty)	Medium - Heavy	Medium - Heavy	Light



Patents



Certification & Test Report





Vietnam LM81 Building

Hebei Park 3.1 Lifestyle

Beijing China Resources Hotel

Beijing Renwei Building

Beijing Mercedes HQ

Qingyuan Mengniu Factory

Chongqing SK factory

Sichuan Kelun Pharmaceutical Co., Ltd

Suzhou Taikang Home Phase I Project

Confucius Xiyuan Second Hotel

Staff canteen in Malianyi Sub-district

Office, Haidian District

Daqing Yuanda Environmental Protection Co., Ltd

Jiu Mao Automation Dalian Co., Ltd.

Daqing Wanda

Hong Kong Olympics

Sarawak New Universe Suites

Sarawak Renaissance Restaurant Bar

MayAir Malaysia Showroom

Beijing Wangfujing Wangfu Central

Sheraton Dalat Hotel

Hilton Ningbo

Wuhan International Center Hotel

Changchun Huahua Outlets

Wangfujing Brand Center

Shanghai Seven Baby Dragon Square

Guangzhou Dongfeng Square

Beijing Fuqiaofang Greenview Plaza

Beijing Yinhe SOHO

Beijing China Central Place

Shanghai Zhonghai Oil Building

Shanghai Zhongyou Building

Shanghai Tishanmen Building

Furong Square

Shenzhen Aliyun Building

Taiyuan Times Freedom Square

Tianjin Qianjin Iron & Steel Group

Tianjin Changli Building

Wuhan General Office Building

Nanjing Tica Air Conditioning HQ

Kunlun Apartment

Zhengzhou Wanda Jinshui

Wangjing Jinmao House

Guangqu Jinmao Mansion

Yizhuang Jin Maoyue

Nanjing Yihe Residence

Beijing Ocean Ocean LA VIE Villa

Gusu Jinmao

Tianjin Zhonghai Balitai

Daning Jinmao House



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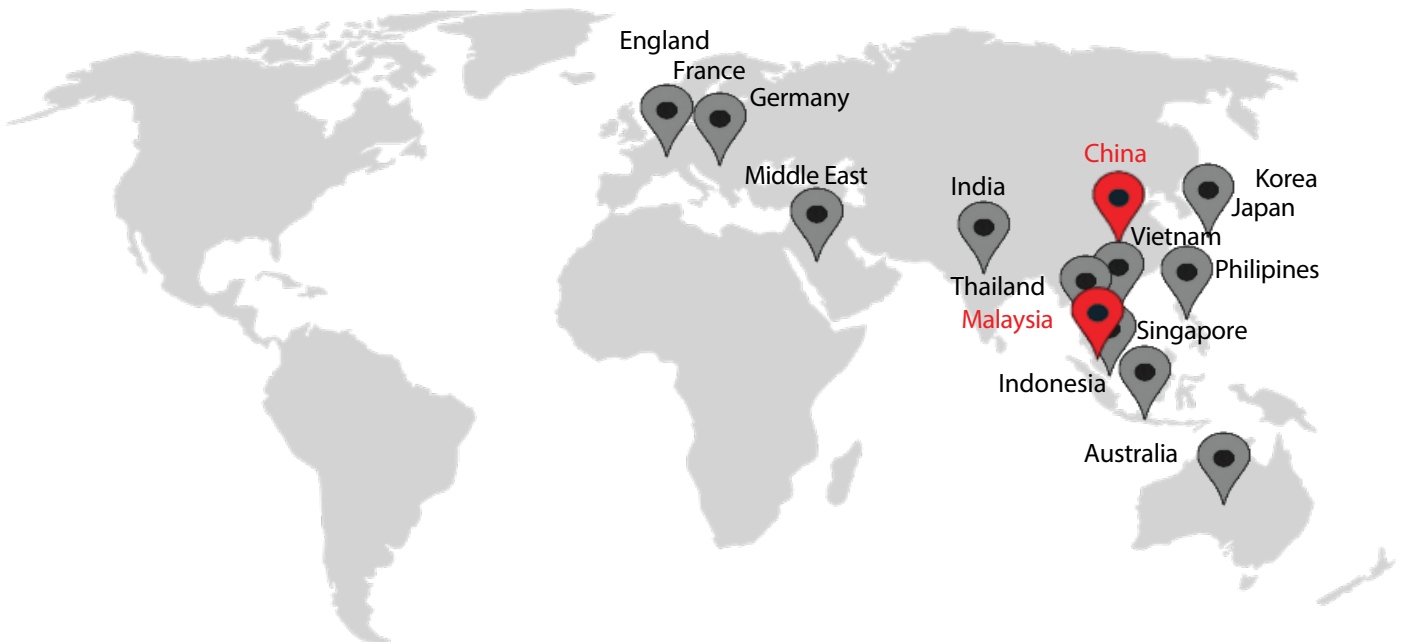
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