Activated Carbon
Kitchen Ventilation

plasma-cleanair
AIR, ODOUR & GREASE CONTROL

The final polish in removing residual ozone

Activated-carbon filters remove residual ozone before extraction.
This is important when the extraction point is at low level, is close to an open window or near to an air-intake louvre.



*Plasma Clean is continuously improving its products and services and reserves the right to alter designs without prior notice

Activated Carbon filters are a great way of removing ozone from air. Traditionally, they're a sponge that absorbs gaseous odours. But these quickly get saturated and need regular replacement.

Our ozone-based technology is a much more efficient alternative.

Our activated-carbon filters remove residual ozone before extraction and also act as a final polish, further oxidising any residual odour molecules that become trapped on the activated carbon surface. That's vital when the extraction point is at low level, or when it's close to an open window or an air-intake louvre.

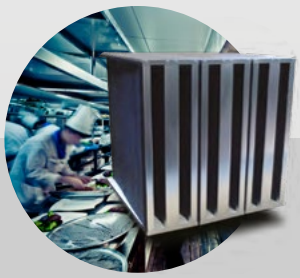
Benefits

- Offer effective ozone control
- Units weigh only 18kg
- Offer low pressure drop – 120Pa
- Incur no extra costs over standard Discarb cells

Related products



Discarb DC242424
Size 594x594x597 Gross
Weight 68.2Kg
Carbon Weight 50kg
Rated Airflow 3800m³/hr*
Pressure Drop 120Pa.



3x DCS240824
Size 594x594x597 Gross
Weight 53.85Kg
Carbon Weight 50kg
Rated Airflow 3800m³/hr*
Pressure Drop 120Pa.



Sitesafe DCS240824
Size 594x196x597 Gross
Weight 17.95Kg
Carbon Weight 16.6kg
Rated Airflow 1266m³/hr*
Pressure Drop 120Pa.

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Introduction to Kitchen Ventilation from Plasma Clean Air

Grease, odour and smoke emissions produced by commercial kitchens are an increasing concern both for existing establishments and for new build projects. Therefore, it is essential to implement a suitable grease and odour control strategy - as a matter of urgency - to ensure that the kitchen emissions comply with DW/172 and DEFRA guidance. This is not just about protecting the environment from nuisance emissions, but also reducing grease build up in the ductwork, which could present a fire risk if left untreated.

Plasma Clean Air's Kitchen Ventilation range consists of a range of modular solutions for grease, smoke and odour control which can be used alone or can be combined to provide a site-specific solution. For example, a pizza restaurant will not require the same level of grease, odour and smoke control equipment as a char-grill steak house.

Starting at the canopy, our Coil Filters are designed to capture 95% of grease particles; between 55-70% more than traditional baffle-type filters. Our Xtract range releases natural ozone - a superb disinfectant and odour neutraliser - directly into kitchen ventilation systems. Our Techniclean range includes the canopy mounted **Techniclean CM**, combining high intensity UVC light with ozone technology to break down odour and grease in the air, as well as the **Techniclean Mini**, **5000** and **7500** models; perfect for new projects or retrofitting into existing ductwork. High levels of grease and smoke particulate are treated by the Electrostatix and combining Electrostatic Precipitation with UVC, are our ESP UV units, provide highly efficient removal of grease, smoke and odour from a compact unit.

For a final polish - removing residual ozone - Activated Carbon filters are the ideal choice for low level extraction. Our Carbon Housing allows Activated Carbon filters to sit in 3, 6 or 9 easily mountable Sitesafe Discarb units.

When it comes to Control Panels, our **Air Flow Interlock** range is used to synchronise the operation of all of our Kitchen Ventilation products with detected air flow. The equipment is automatically turned off when the system is shut down, preventing accidental exposure to UVC light and ozone, whilst ensuring energy efficiency for the system. Options are available for Lamp Life Indicators, Lamp Fault and BMS interface.

Filtration with Activated Carbon from Plasma Clean Air

SiteSafe Reference	SiteSafe Cells Needed	Retrofit Discarb	Suffix
Cooking - General Restaurant	0.1 to 0.2 Seconds	General Purpose Activated Carbon	-7
Cooking - Spicy, Indian	0.2 to 0.4 Seconds	General Purpose Activated Carbon	-7
Reduction of Ozone	0.1 to 0.2 Seconds	General Purpose Activated Carbon	-7

Installation

It is important to achieve uniform distribution of air across the filter surface. Inlet and outlet tapers must be sized correctly and the equipment must be located no less than 1m from any bend. Plasma Clean can offer assistance with the installation design if required. Requires two people plus lifting gear to carry and install.

Accessories

Outer Housing

Maintenance

Maintenance and filter replacement can be carried out under a Plasma Clean Air maintenance contract.

Warranty

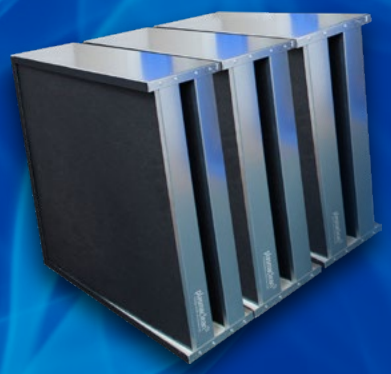
1 year Manufacturer's Warranty (subject to terms and conditions)
Extended 3 year Warranty (care plan available)

Terms

In accordance with our standard terms of business.

Technical Specifications & Data

Dimensions (HWD)	594 x 196 x 597mm
Weight	18kg
Carbon Weight	16.6kg
Rated Airflow	3800m³/hr @ 0.1s contact time
Pressure drop	120Pa



Ask us about LEASING
OPTIONS AVAILABLE
ENQUIRE TODAY

3 Year Warranty
Care Plan

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