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 179Kg
- Carbon Weight 16.6kg
- Rated Airflow 1266m³/hr
- Pressure Drop 120Pa

*Plasma Clean is continually improving its products and services and reserves the right to alter designs without prior notice
Introduction to Kitchen Ventilation from Plasma Clean

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'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 UV-C 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 UV-c, 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 UV-C 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

<table>
<thead>
<tr>
<th>SiteSafe Reference</th>
<th>SiteSafe Cells Needed</th>
<th>Retrofit Discarb</th>
<th>Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooking - General Restaurant</td>
<td>0.1 to 0.2 Seconds</td>
<td>General Purpose Activated Carbon</td>
<td>-7</td>
</tr>
<tr>
<td>Cooking - Spicy, Indian</td>
<td>0.2 to 0.4 Seconds</td>
<td>General Purpose Activated Carbon</td>
<td>-7</td>
</tr>
<tr>
<td>Reduction of Ozone</td>
<td>0.1 to 0.2 Seconds</td>
<td>General Purpose Activated Carbon</td>
<td>-7</td>
</tr>
</tbody>
</table>

Installation

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 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.