

# AIRCLEAN

YOUR AIR FILTER MANUFACTURER

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## Odour Neutraliser : UV Ozone

### Applications

- Odour Reduction from Kitchen Extracts
- Grease Reduction
- Retrofittable

The Airclean Odour Neutraliser is capable of neutralising odours created in the commercial kitchen environment.

Utilising Ultra Violet technology, ozone is produced from a bank of low pressure UV lamps designed to operate at a specific wavelength of 184nm, which generates ozone.

Ozone is then injected into the airstream where it mixes with and oxidizes odourous organic compounds present, breaking them down into Carbon Dioxide and water, along with some residual ozone, thus rendering them odourless. The oxidation process will also act upon grease present in the air stream leading to a reduction in duct cleaning costs.



### Technical

The units are fitted adjacent to the Kitchen Canopy or Ductwork for out of air stream UV Ozone production and can treat up to 1.5m<sup>3</sup>/s of air effectively assuming a reasonable contact time is achieved.

Should a greater amount of air need to be treated multiple units can be utilised, and also used in conjunction with Airclean Kitchavent Products to achieve improved odour control.

<b>Housing Material</b>	<b>1.2 Grade 304 Stainless Steel</b>
<b>Dimensions:</b>	<b>253L x 313D x 558H</b>
<b>Weight:</b>	<b>13.7kg</b>
<b>Operating Conditions:</b>	<b>MAX : 38 Deg C</b>
<b>Max Air Volume Per Unit :</b>	<b>1.5m<sup>3</sup>/s</b>
<b>Supply:</b>	<b>230V Single Phase 50Hz</b>
<b>UV Lamp Type:</b>	<b>Single 135Watt Quartz (12000 Hrs)</b>

The safe operation of the system should be checked regularly in line with all electrical appliances ensuring the total effectiveness of the safety micro switches to protect the user from UV exposure.

### Manufacture and Cleaning

The unit is located within the "normal" kitchen atmosphere and is not subject to the grease laden atmosphere of the extract system which minimises the requirement for regular cleaning unlike Inline systems.