



"a breath of fresh air"

Ventilation Systems & Stainless Steel Fabrication

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KITCHEN VENTILATION STATEMENT

To whom it may concern,

The below information details a typical extraction system for a Loungers site. This typical system has been installed at a large number of sites, with increased measures dependant on the DEFRA risk assessment for odour which is site specific.

The kitchen ventilation system will be in line with current legislation including DEFRA guidelines and BESA DW172. The typical system to be installed would be complete with the following:

- Stainless steel canopy with correct overhang for catering equipment specified.
- Canopy constructed using 304 grade stainless steel
- UV
- Fine filtration
- Carbon filtration with 0.1 second dwell time
- Extract fan with motor out of air stream
- Attenuators to achieve recommended noise levels
- ESP units used as required for additional odour control based on DEFRA risk assessment for odour control

Initial filtration in the canopy will be baffle grease filters to protect the duct system and canopy. These filters are to be cleaned weekly by the kitchen staff.

The second filtration will be pleated panel fine filtration made with high quality fibre media removing over 50% of particulates at 1mm in size, double the next best alternative filter. These filters will need to be changed every 6 weeks (or as required) by Partridge Ventilation under a maintenance agreement/contract.

The third filtration will be activated carbon with a 0.1 sec dwell time. Activated carbon removes malodorous gases within the commercial kitchen extract through the chemical absorption process. These filters will need to be changed every 12 months (or as required) by Partridge Ventilation under a maintenance agreement/contract.

The typical Loungers system will also include a UV unit to produce ozone and hydroxyl free radicals to oxidise cooking odours through the process of ozonolysis. This system will need to be serviced annually by Partridge Ventilation under a maintenance agreement/contract.

Trusting the above is of assistance and if any further information is required, please contact Partridge Ventilation.

Many thanks,
Chris Hitchings