

HIGH TEMPERATURE EXTRACT FANS

Extract fans for the kitchen canopies shall have the following:

- Suitable for constant operating temperatures up to 120 °C
- Access both sides
- Pre-wired isolator complete with quick change plug connections for easy maintenance
- Galvanised steel construction
- Pressure tapping points
- Suitable for horizontal and vertical mounting
- Motor out of airstream
- Lifting eyes
- Easy to clean and maintain

Extract fans used for kitchen ventilation shall be linked to a gas proving control panel, so that the gas solenoid valve cannot be opened unless the ventilation system is operating.

KITCHEN EXTRACT CANOPIES

Canopies to be installed in the Food Courts shall be manufactured from Stainless steel and complete with grease baffles to eliminate grease and a self-contained fire suppression system.

- Flame resistant stainless steel baffle grease filters;
- Self-contained fire suppression system;
- Fire suppression installation.

An induction air or extract only type canopy is envisaged c/w flame resistant stainless steel baffle grease filters on the extract ductwork.

AIR TERMINAL DEVICES

Extract grilles shall have minimum face size 300x300;

Extract valves shall have a minimum diameter of 100mm;

Where extract grilles are in the same room as supply grilles they shall be identical to the supply grilles.

All ceiling mounted grilles and diffusers shall be finished in standard commercial white and fitted with concealed fixings - screw fixings through the flange will not be accepted.

All grilles and diffusers mounted on exposed ductwork shall have galvanised finish to match ductwork.

ATTENUATION

All supply and extract systems shall be provided with attenuators where necessary to meet internal and external noise criteria and cross talk requirements and to maintain the required static insertion loss of the partitions. Careful consideration to external ambient noise levels shall be given and the requirements of the acoustic consultant advice shall be met.

Cross-talk attenuators shall have a minimum 50mm thickness absorbent material.

FIRE DAMPERS AND FIRE/SMOKE DAMPER

Fire Dampers, Combination Fire and Smoke dampers and fire rated ductwork shall be provided as required by the Fire Officer/Building Control in addition to that required by Regulations and Standards. All fire dampers shall be drop tested prior to completion and certified by the independent commissioning engineer.