

Kitchen Extract Air Handling Unit Complete with Odour Control

Applications

- All in one solution
- Combined fan / filter unit for extract systems
- Suitable for Odour, Grease and Smoke Control
- Bespoke design available

Construction

Manufactured from anodised aluminium framework with 25mm thick double skinned panels filled with 60kg/m³ mineral wool insulation.

The air stream enters at the top of the unit passing vertically down through the grade M5 Bag Filters into the Activated Carbon cell yielding a minimum of 0.1 second contact time, then into the fan.

The air is then discharged from the fan into the noise attenuator duct travelling vertically up to the spigotted discharge connection.

The fan speed is controlled by an electrical inverter to provide the required airflow through the units.

Manufacturing and Cleaning

The unit is installed with an Activated Carbon test cell, which when returned to Airclean along with the number of hours it has been run for, can be analysed in our test facility to provide an estimate as to the remaining life of the carbon filter. The prefilter should be changed when the pressure drop across the filter measured by the magnehelic pressure gauge reads twice the “as installed” pressure for the filter.

Technical

Airflow: 1 – 2 m³/s in standard range (Up to 5m³/s for bespoke)

External Resistance Available: 200Pa

Contact Time at Rated Air Flow: Minimum 0.1 seconds (variable upon request or discharge sensitivity)

