



VENTILATION HYGIENE



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‘ECE have a wealth of experience and aim to provide our existing and prospective clients with a professional, transparent service. We aim to keep our clients informed of the relative legislation and codes of practice.’

At ECE Group Services we understand how imperative it is to have ductwork and ventilation systems regularly tested and cleaned. The term “ventilate” means to supply fresh air to a room. Ductwork is the physical system which supplies air to your environment. This makes the cleaning & maintaining of ductwork airways all the more important.

LEGISLATION & ACOPs

Ventilation cleaning comes under H&S Executive Order 1995 which states that the ‘internal working of a ventilation system must be maintained & cleaned’. What it does not state is to what standards! The standards of cleanliness are found within the BS EN15780-2011, which relates to dust particulate testing. When you put the two items above (One is legislation and one is ACOP) together this is Legislation driven.

Fire Regulations – These are mainly Legislation driven and are going through some major changes at present.

BS9999 Annex W and EN1366-2 are the documents that will support your business needs. Also ASFP (Association of Specialist Fire Protection) blue & grey books are useful. Fire/Smoke Dampers, Grease Extracts & Laundry extracts all come under this legislation – Please also check with your Insurance company for any Warranties.

- Grease & Laundry extracts have to be cleaned/monitored regularly – This can depend on usage but average is 3-6 monthly frequencies.
- Fire/Smoke Dampers – The Fire/Smoke Dampers should be checked annually.
- Fire/Smoke Dampers – that are located in Fire escape routes must be tested 6 monthly- In addition these must not be fuse link dampers.

Regulation EC852/2004 on the hygiene of foodstuffs Annex II, Chapter I paragraph 5 states that :- “There must be suitable and sufficient means of natural or mechanical ventilation. Mechanical airflow from a contaminated area to a clean area must be avoided. Ventilation systems must be so constructed as to enable filters and other parts requiring cleaning or replacement to be readily accessible.”

Other ACOPs – TRI9, DW144/172 are all codes of practice that are followed by the industry.

WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports, Conformity Certificates and Scheduled Maintenance Visits.

KITCHEN EXTRACT SYSTEMS

The purpose of the extract systems is to collect and remove contaminants (Grease), heat and moisture from cooking appliances, therefore it is crucial that these extract systems are cleaned regularly.

The filters in the canopy are the first line of defence against grease deposition but still allow the smaller particles to pass into the extract ductwork system. These deposits will accumulate over time and can pose hygiene and fire risks.

Our purpose is to provide staff with a safe working environment and protecting customers and surrounding buildings.

Our commercial Kitchen Extract Ventilation Cleaning services comply to strict TRI9 standards and are carried out by our fully qualified technicians.

Suggested Cleaning Intervals:

- Heavy Use (12-16 Hours per day) – Every 3 months
- Moderate Use (6-12 Hours per day – Every 6 months
- Light Use (2-6 hours per day) – Annually

What your Kitchen Extract System should not look like!



WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports, Conformity Certificates and Scheduled Maintenance Visits.

LAUNDRY EXTRACT SYSTEMS

The purpose of the extract system is to remove the moisture and lint from your laundry, however over time large amounts of lint and dust start to build up in the ductwork and this reduces airflow. This causes the dryer to expend more energy and, if no preventative action is taken, this could lead to the dryer overheating and the lint catching fire, therefore it is crucial that these extract systems are cleaned regularly.

These will not only reduce the health and comfort of working conditions in the laundry but will also constitute a potential fire hazard to all building occupants. Failure to maintain your laundry extract system could invalidate your insurance cover.

Our commercial Laundry Extract Ventilation Cleaning Services comply to strict TRI9 standards and is carried out by our fully qualified technicians.

Before and after a professional clean by ECE Group Services.



WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports, Conformity Certificates and Scheduled Maintenance Visits.

FIRE DAMPER TESTING

Fire and smoke dampers are fitted into ductwork where it passes through a fire compartment barrier (usually a wall). Fire and Smoke Dampers are designed to shut/close when a specified temperature or fire/smoke condition is exceeded, preventing the spread of fire and smoke.

It is a legal requirement and a critical part of a building fire safety system to ensure that you clean and maintain the fire/smoke damper. If they don't operate as designed fire can spread with rapid, lethal results.

Our Fire Damper Testing Services comply to strict BS 9999:2017 standards and is carried out by our fully qualified technicians.

WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports, Conformity Certificates, Scheduled Maintenance Visits, Supply & Installation of Access Panels.

GENERAL SUPPLY/ EXTRACT SYSTEMS

Most business' have general Supply and Extract Ventilation Systems running through their buildings. The purpose of a supply ventilation system is to bring fresh air into the building. Overtime the ductwork will accumulate dust particulates and contaminants which will then filter into the working environment, therefore it is imperative that the ductwork is cleaned/monitored on a regular basis.

Our commercial Ventilation Hygiene Services comply to strict TR19 and BS EN 15780-2011 Standards.

Under current standards, clients air conditioning must be maintained to the new British standard and are carried out by our fully qualified technicians.

WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports and Scheduled Maintenance Visits.

DUST PARTICLE TESTING (NADCA)

The purpose of Dust Particle Testing is to ensure that the ventilation systems are not contaminated beyond regulation standards, ensuring you are working in a clean & safe environment.

Dust Particulate Testing can be conducted by using calibrated meters that provide an instant result or by utilising calibrated pumps. The analysis of the dust samples is carried out by a UKAS accredited body.

Dust is not easy to detect, so failure to carry out these tests could result in a polluted and hazardous working environment, with serious health risks.

Our commercial Ventilation Hygiene Services comply to strict TRI9 and BS EN 15780-2011 Standards and are carried out by our fully qualified technicians.



WE ALSO OFFER: Free Quotations, In depth Surveys, Pre & Post clean reports and Scheduled Maintenance Visits.

MICROBIOLOGICAL TESTING (DIFCO/CONTACT PLATES)

The purpose of Microbiological Testing is to ensure that the ventilation systems are not contaminated beyond regulation standards, ensuring you are working in a clean & safe environment.

Microbiology testing services are a crucial requirement across many industries worldwide where products, processes and human health are at risk of being negatively affected by the presence and breeding of micro-organisms such as specific pathogens, bacteria, yeast and moulds.

Microbiological Testing can be conducted by using air tight plates/swabs. The analysis of the plates/swabs samples is carried out by a UKAS accredited body.

Micro-organisms are not easy to detect, so failure to carry out these tests could result in a polluted and hazardous working environment, with serious health risks.

Our commercial Ventilation Hygiene Services comply to strict TR19 and BS EN 15780-2011 Standards and are carried out by our fully qualified technicians.

DUCTWORK LEAKAGE TESTING

We understand the importance of the design and operation of ventilation systems. It is recommended to prevent air leakage from ductwork, by pressure testing annually to ensure you are meeting the building regulations and BESA specifications.

We provide complete duct leakage testing using smoke (theatrical fog) to locate and document leakage points in order for the client to repair the duct.

The procedure of smoke testing involves temporarily sealing the registers and diffusers and introducing theatrical fog into the duct system under slight pressure. When using this qualitative testing method, invisible leaks can be easily identified as the smoke finds its way through any breaches in the duct system. Performing this test during construction can help to save considerable time and money by not having to seal the system at a later date.

Conducting a Duct Leakage Test program offers many benefits. In the short term, a building will be constructed and handed over more efficiently. In the long term the operator will have lower energy costs.

Our Duct Leakage Testing services can be used for: Heating, Ventilation and Air Conditioning (HVAC) systems, Kitchen Grease Extraction Systems and Laundry Duct Systems.



ODOUR REMOVAL FOR COMMERCIAL KITCHENS -
EASILY INTEGRATED INTO AN ALREADY EXISTING
VENTILATION SYSTEM

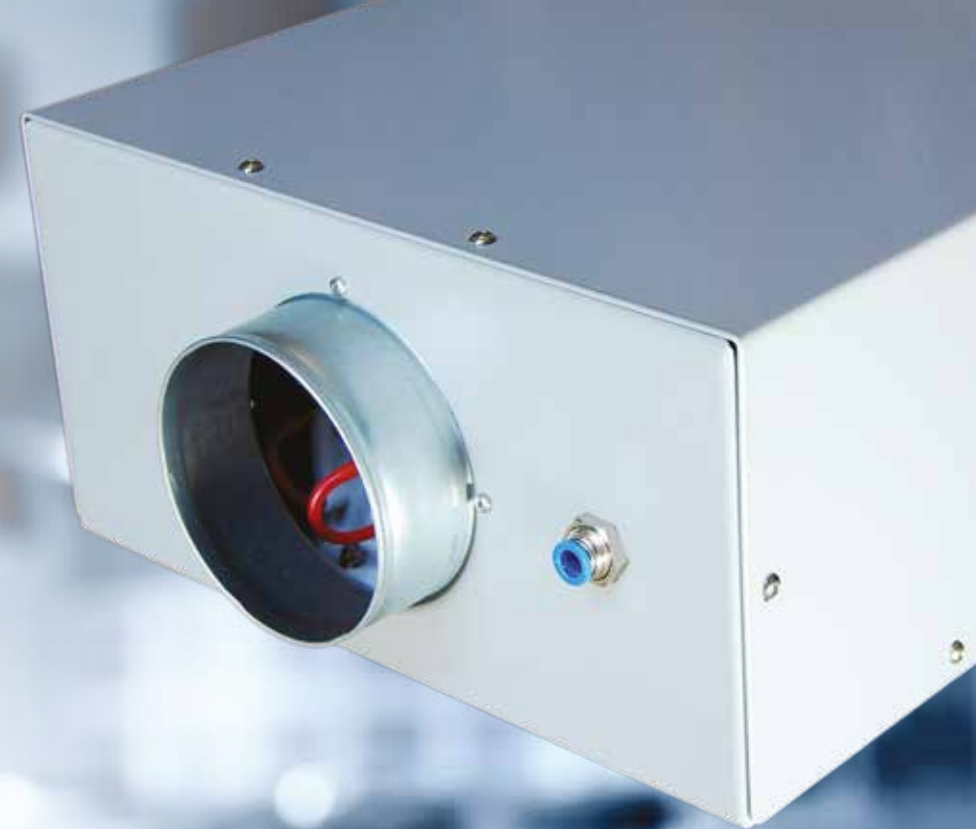
OZONE EXTRACT SYSTEM

The Ozone Extract improves the efficiency of your kitchen extraction system by increasing performance, removing cooking odours, reducing grease deposits which reduce fire risk and it will the lower cost of system maintenance.

You will also notice an extended life of your fans due to less work load on the extract system which is due to the continuous ozone cleaning power.

The system is installed at the point of extraction and between the fan. It is installed outside the ductwork.

- OZONE OUTPUT: 16000MG/HR - 32000MG/HR
- COVERAGE: 300M³
- DUCT CONNECTION: 100MM
- SMART CONTROL BASED ON AIR PRESSURE
- CE APPROVED
- 12 MONTH GUARANTEE
- MADE IN THE UK



EXAMPLE VENTILATION SYSTEM:



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