



PROPERTY
DAMAGE
RESTORATION

Cleaning of Building Ventilation HVAC Systems



Property Damage
Restoration



Temporary
Humidity Control



Property Damage
Prevention



APPLICATION

Overview

Ventilation systems are in constant use in both the work and home environment to reduce air contamination; they consist of a supply and extraction mechanism with the extraction system removing the contaminated air while the supply system brings clean air into the environment.

Sometimes the pipes and fittings associated with these systems become contaminated which reduces the system's performance and in some cases can increase the risk of fire.

In a supply system, even the smallest amount of contamination can create a breeding ground for bacteria which can be carried along the airflow and potentially cause illness. To avoid these problems it is vital that regular system inspections are undertaken.

Munters are experienced in maintaining air conditioning systems and have developed an extremely efficient HVAC (Heating Ventilation Air Conditioning) technique for both the inspection and cleaning of systems.

Munters unique knowledge and experience in the cleaning of building ventilation systems enables Munters' technicians to undertake the inspection and the necessary cleaning work including the cleaning of the entire system, including air ducts and grills. This work may be undertaken in an emergency situation or as part of a regular maintenance and preventative programme. The cleaning process can involve extensive smoke neutralisation, sanitisation or deodorisation as part of restoration to enable tenants to reoccupy smoke damaged or contaminated buildings.



Inspection prior to cleaning using camera equipment.



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PROCEDURE

Munters technicians are trained and equipped to inspect the ventilation system whether the inspection is of a visual or microbiological nature. This inspection is executed in order to establish whether contamination is present and what further action is required.

Having made the initial evaluation the technician will then undertake the cleaning task using mechanically driven brushes and vacuums. High-Efficiency Particulate Air (HEPA) filters extract the material from the ducts and air conditioning equipment.

Once the contaminated material is extracted, on demand, the ducts and equipment are disinfected and then re-inspected to determine the effect of the work undertaken. Finally, the Munters technician produces a report of the work done complete with photographs and if relevant a microbiology report.

To eliminate the smell of smoke, Munters use wet and dry fogging processes. The dry fog process uses a chemical agent to turn the smoke into a fog that can then be extracted and cleaned using application equipment. This dry fog permeates the entire indoor space, reaching every aspect of the sealed area to neutralise the smell of smoke. In addition, Munters technicians use a wet fog spray to eliminate the smoky odour.



Part of an HVAC unit.



An HVAC unit in situ.

RESULTS

Using Munters techniques for cleaning Heating Ventilation Air Condition systems helps to maintain a healthy environment for living and working by reducing the contamination of air conditioning systems and restoring air within buildings following a disaster.



Cleaning using nylon brushes.

BENEFITS

- Munters technicians arrive within hours of a disaster often beginning the recovery processes the same day which limits deterioration and is time effective
- Healthy living/working conditions reducing the risk of illness
- Lower power consumption
- Reduced risk of fire
- Munters provide a service which is both preventative and restorative
- Munters service for building temporary air treatment systems is unmatched.