

SYSTEM HYGIENICS

Hospital Specialists

**CLEAN AIR IS
OUR BUSINESS**

JETVENT

Hospital Ductwork Cleaning

Preventing the Hidden Threat of Infections

Cleanliness in hospitals is the vital prescription for managing infection control. The ductwork ventilation system in your hospital is out of sight, but it shouldn't be out of mind. To control the risk of infections, these unseen surfaces must be cleaned.

Over time, a build-up of dust and dirt composed of a mixture of organic compounds, including a high proportion of skin and hair, can lead to a fouled ductwork system. If left, this mix becomes a valuable nutrient for harmful micro-organisms such as MRSA which can easily become airborne and infect patients.

With its thorough, professional duct cleaning service, **SYSTEM HYGIENICS** will ensure you meet the Department of Health's guidelines on the operational management and performance verification of specialised ventilation systems (Health Technical Memorandum 03-01: Specialised Ventilation for Healthcare Premises).

Statutory Requirements

Increased health risks to patients will occur if ventilation systems do not achieve and maintain the required standards. The link between surgical site infection and theatre air quality has been well established.

If the ventilation plant has been installed to dilute or contain harmful substances, its failure may expose people to unacceptable levels of contamination. Proven breaches of the statutory requirements can result in prosecution and may also give rise to a civil suit against the operators.

(Health Technical Memorandum 03-01: Specialised Ventilation for Healthcare Premises)



Hospital operating theatre

SYSTEM HYGIENICS' unique Jetvent system will clean your ductwork and reduce the risk of spreading harmful germs, without disrupting the day-to-day running of your hospital. Our Jetvent system guarantees a fast and efficient cleaning process carried out by experts to meet Heating and Ventilating Contractors' Association (HVCA) TR19 standards.

The main features of our Jetvent system include:

- Up to 50 metres reach from one point
- Minimal access required
- Swift operation with negligible disruption
- No leakage of contaminants
- Cleaning to internationally recognised standards
- Ultra-safe spark-free operation

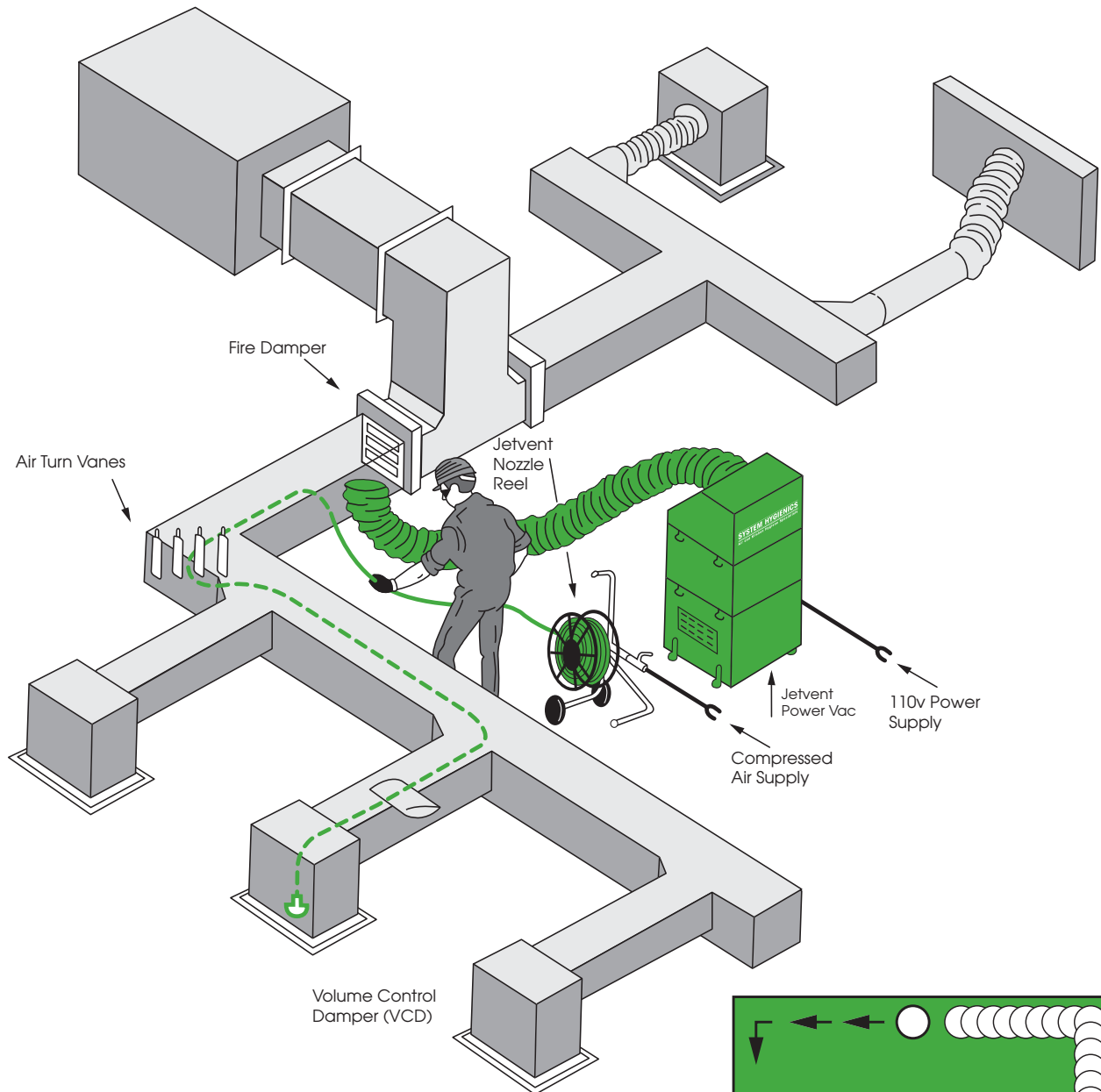
Fire Damper Maintenance Surveys

SYSTEM HYGIENICS provides a valuable fire safety service to check your fire dampers are in perfect working order and comply with the Regulatory Reform (Fire Safety) Order 2005 and the guidance provided by BS 9999 on annual testing of spring operated fire dampers. We will locate your fire dampers to ensure they are within the fire containment area. Following a process of thorough cleaning and lubricating, your fire dampers will be drop-tested and reset. If we identify faults within your system, we will repair any damaged parts and compile a report to record the fault and the action taken to ensure fire safety compliance.

All fire dampers should be tested as part of the annual verification.

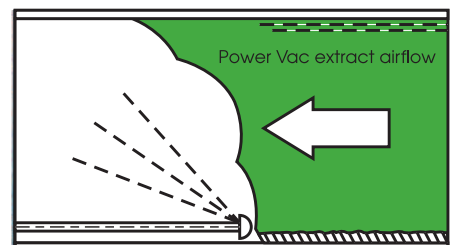
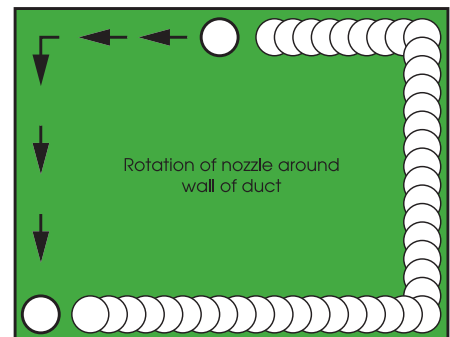
(Health Technical Memorandum 03-01: Specialised Ventilation for Healthcare Premises, Chapter 4.3)

The Jetvent System

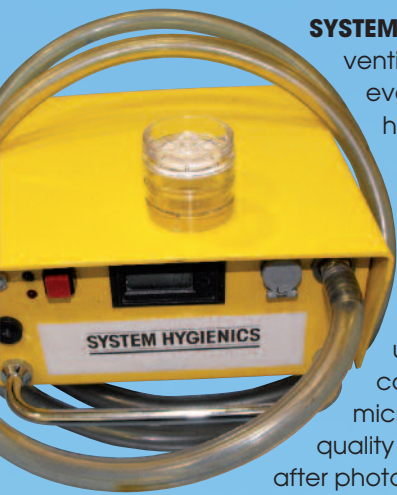


The benefits of clean systems

- Infection spread is minimised
- Safer environment for patients and staff
- Improved fire safety
- Reduced energy consumption and operational costs
- Improved mechanical efficiency
- Compliance with legislation and codes of practice
- Compliance with health & safety regulations
- Protection against potential litigation
- Protection of expensive equipment



Risk Assessment Surveys



SYSTEM HYGIENICS conducts full ventilation risk assessments to evaluate the health of your hospital ductwork system and help you meet the requirements of HTM:03-01.

Our combination of advanced testing techniques and state-of-the-art equipment enables us to provide a detailed analysis comprising dust and microbiological samples, indoor air quality measurements, before and after photographic reports and a certification of cleanliness.

We offer a programme of regular environmental hygiene checks using techniques that monitor indoor air quality. Our testing techniques include:

- HVCA TR19 Vacuum Test to verify the effectiveness of air hygiene cleaning
- HVCA TR19 Deposit Thickness Test to measure the build-up of dust
- HVCA TR19 Wet Film Thickness Test to measure the build-up of grease
- Airborne and surface contact fungi and bacteria testing
- Particle counters and air contaminant testing
- MRSA, C. difficile, Aspergillus and Acinetobacter testing
- Indoor Air Quality testing for CO, CO₂, O₃, CH₂O
- Airflow readings
- Temperature and humidity readings
- Endoscopic camera inspections
- Video camera inspections

All ventilation systems should be subject to at least a simple visual inspection annually.

(Health Technical Memorandum 03-01: Specialised Ventilation for Healthcare Premises, Chapter 4.1)

Kitchen Extract Duct Cleaning

Kitchen extract systems in hospitals are the perfect landing place for grease, oil and other deposits, which can cause clogged ductwork, jammed fans and odorous air. A build-up of these substances only requires the addition of heat to trigger a fire outbreak.

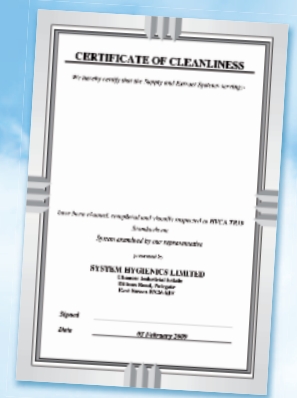
SYSTEM HYGIENICS' kitchen extract cleaning service ensures you meet your fire safety obligations under the Regulatory Reform (Fire Safety) Order 2005 and protect your staff from potential health hazards in the working environment.

About Us

SYSTEM HYGIENICS specialises in cleaning ductwork systems for NHS and private hospitals and other healthcare establishments.

Established in 1993, we are UK market leaders and one of the largest ventilation hygiene specialists in the world. We are certified members of the US National Air Duct Cleaners Association (NADCA) and founding members of the Ventilation Hygiene Specialists Branch within the Heating and Ventilating Contractors' Association (HVCA).

Our highly skilled site operatives and engineers are trained to the latest industry standard – HVCA TR19 – and are SKILLcard certified. We are committed to monitoring competence and health and safety in the workplace and are accredited by the Contractors Health and Safety Assessment Scheme (CHAS) and SAFEcontractor. We are also registered members of Construction Skills Certification Scheme and Constructionline.



SYSTEM HYGIENICS is a member of the Hotchkiss Group of Companies, which provides specialist services in the ventilation, air conditioning, fire protection and environmental industries.

SYSTEM HYGIENICS

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