

BUILDING SERVICES ENGINEERING - APPRENTICESHIP STANDARD FOR VENTILATION HYGIENE**Occupational Title**

Building Services Engineering Ventilation Hygiene Technician.

Occupational Profile

Ventilation Hygiene ensures that ventilation systems are maintained in a clean condition as required by statutory regulation, to ensure the wellbeing and safety of those within the built environment.

Ventilation Hygiene Technicians clean and decontaminate ventilation systems to ensure compliance with industry standards. They undertake condition risk assessments, pre clean testing, clean, post clean testing and create a detailed profile of the ductwork system, including any remedial action.

Ventilation Hygiene technicians have detailed knowledge of the system's operating principles. They identify and plan work requirements from engineering drawings and client instructions; liaise with clients, other trades, and suppliers; solve problems within their scope of responsibility; ensure work done by themselves and others complies with relevant standards; monitor and assist in delivery of work programmes and contribute to changes as work progresses or as required by the client.

They are able to work within new build construction sites and existing buildings on their own, safely, proficiently and without supervision.

Knowledge, Skills and Behaviours

Knowledge	Ventilation Hygiene Technicians know and understand for cleaning all ductwork types and ventilation system components:
Working Safely	Safety legislation and safe working practices applying to themselves and others
Ventilation system Cleaning Principles	Underpinning scientific principles for air supply and extract ventilation systems including grease extract systems, also including specifications and standards covering their cleaning and testing requirements
	Design, layouts, operating and isolation principles
	The need for system cleanliness for compliant building operation
Working Sustainably	Environment protection measures associated with ventilation cleaning
	Commercial implications of actions or omissions
Planning and Preparing	How to plan and organise cleaning tasks, interpret and annotate drawings
	How to prepare work areas
	How to utilise resources effectively including the roles and responsibilities of relevant people, how to oversee work and how to plan safe work programmes for self and small teams
Customer Service	Principles of high quality customer service
Communication	Communication methods; clear, appropriate and adaptable styles
	Principles and opportunities for information communication technology.
	Reporting requirements
Skills	Ventilation Hygiene Technicians are able to, for cleaning all ductwork types and ventilation system components:

Working Safely	Apply relevant safety legislation, codes of practice and safe working practices to self and others, including risk assessment and method statements
Planning, Preparing and Working Sustainably	Plan and organise systems cleaning including the use, interpretation and annotation of drawings.
	Prepare work areas in new and existing sites for cleaning
	Identify and use resources, tools, technology and equipment effectively, to complete cleaning tasks, to industry standards, while minimising environmental impact.
Cleaning ventilation Systems	Undertake pre clean testing, cleaning, post clean testing and create a detailed profile of the ductwork system, including any area that needs remedial action.
	Provide information for post clean reporting including drawings.
	Carry out minor on-site modifications including replacement of flexi duct and fitting access doors.
Problem solving and decision making	Solve problems within their scope of responsibility and that of others under their control.
	Identify and evaluate problems through the application of technical skills and knowledge, and report as appropriate
Supervision	Oversee the programme of work and work environment, taking responsibility for the work, quality, safety and welfare of others
	Mentor and support the learning and development of others

Behaviours	Ventilation Hygiene Technicians demonstrate they can:
Working Effectively and Ethically	Work reliably and effectively without supervision and be aware of the needs and concerns of others, especially where related to diversity and equality
	Represent self and company in an appropriate and ethical manner
Taking Responsibility	Accept responsibility for the work of self and others under their control
Managing Tasks	Accept allocate and supervise technical and other tasks
Working with Others	Work effectively with colleagues, the public, other tradespeople, clients representatives, supervisors, and other members of the building services engineering and wider construction team
Continuing Personal Development	Maintain and enhance competence in own area

Duration:

It is unlikely that individuals entering this apprenticeship without previous experience will complete the apprenticeship in less than typically 24 months.

Entry Requirements and Qualifications

Individual employers will identify any relevant entry requirements. Typically an apprentice will have already achieved English and maths at level 2. Apprentices without level 2 English and maths will need to achieve this level prior to taking the end point assessment.

Level:

This is a level 3 Apprenticeship.

Review date:

This Apprenticeship standard will be reviewed in three years.