City & Guilds ACCREDITED PROGRAMME

FIRE & SMOKE DAMPER TESTING

ON-SITE   **1 DAY OPEN CLASSROOM**

HXT-F01

SHEFFIELD

TRAINING OVERVIEW

Our Fire and Smoke Damper Testing training course is aimed towards staff that wish to engage in fire and smoke damper testing and inspection, but who require the knowledge and skills to do so safely and competently.

COURSE AIMS

- Have appropriate knowledge of statutory regulations
- Have appropriate knowledge of industry standards, guidance and specifications
- Understand the principles of fire damper and smoke damper devices and associated fire compartment barrier requirements
- Carry out site planning and preparation for inspection testing and maintenance of fire and smoke dampers
- Conduct the inspection, regular testing and maintenance of smoke and fire containment systems and associated components
- Understand how to report the findings following a fire and smoke damper inspection and test

DURATION

1-day practical course commencing at 10:00 hours, ending at no later than 16:30 hours, with a 30-minute lunch break depending on your delivery option.

BOOK ONLINE TODAY

Or speak to a member of our sales team

LEARNING OUTCOMES

Develop or reinforce knowledge of:

1. Site planning and preparation for inspection testing and maintenance of fire/smoke dampers
2. Inspection, testing and maintenance of smoke/fire containment systems and associated components
3. Problem solving

ANTICIPATED BENEFITS OF ATTENDING (FOR THE EMPLOYER)

- Employees being competent to carry out fire damper testing and inspection.

Training Content to be covered (The learner will)	Assessment Criteria (The learner can)
1. Appropriate knowledge of statutory Regulations relating to the maintenance of ventilation systems and safe working practice	- 1.1 ACOP5 (41, 42 & 43) in relation to the Workplace (Health, Safety & Welfare) Regulations 1992 - 1.2 UK Fire Safety Regulations: - The regulatory (Fire Safety) Order 2005 (for England & Wales) - The Fire safety Regulations (Scotland 2006) - The Fire Safety Regulations (Northern Ireland 2010)
2. Appropriate knowledge of industry standards, guidance & specifications in relation to ventilation system fire safety.	- 2.1 BESA DW 145 Guide to good practice for the installation of fire and smoke dampers - 2.2 BESA TR19 Guide to Good Practice-Internal Cleanliness of Ventilation Systems - 2.3 BESA DW144 Specification for sheet Metal Ductwork - 2.4 BESA DW172 Specification for Kitchen Ventilation systems - 2.5 Firecode – Fire safety in the NHS HTM 05-02: Guidance in support of functional provisions for healthcare premises - 2.6 BS EN 9999 Code of Practice for fire safety in the design, management and use of buildings

3. Understand the principles of fire & smoke damper devices and associated fire compartment barrier requirements	• 3.1 Understand the basic principles of fire containment and building compartmentation for reducing fire spread • 3.2 Understand basic operating principles underpinning the release/activation of mechanical, electro-mechanical and passive fire damper systems • 3.3 Understand basic operating principles underpinning the release/activation of mechanical, electro-mechanical smoke damper systems • 3.4 Identify the potential fire safety hazards and adverse system performance in association with poor fire/smoke damper and ductwork cleanliness
4. Understand and carry out site planning and preparation for inspection testing and maintenance of fire/smoke dampers.	• 4.1 Demonstrate organisation of works using either systems drawings or survey information • 4.2 Prior to work commencing ensure that the necessary arrangements for protecting the fabric, equipment and appliances are in place • 4.3 Prior to work commencing, understand the need to carry out the necessary checks to confirm that the work location and work area can be accessed safely and it has been checked for the risk to self and other personnel on site, take appropriate action as directed if risk is present • 4.4 Understand the need for job information and documentation is current and relevant and that the tools, access and cleaning equipment are fit for purpose • 4.5 Select and use cleaning/lubrication materials, tools and equipment suitable for the working environment in which the cleaning/lubrication is taking place

5. Understand and carry out the inspection, testing and maintenance of smoke/fire containment systems and associated components	5.1 Understand the need for the fan to be running during testing of dampers 5.2 Understand the correct order that systems need to be inspected, tested and maintained 5.3 Recognise various types of duct, i.e. Rectangular, circular, flat, oval & fire rated 5.4 Identify the various types of thermal and fire rated insulation materials 5.5 Demonstrate the ability to release and reinstate a fusible and spring-loaded link system 5.6 Demonstrate the ability to apply the 'Test & Reset' function of a motorised fire/smoke damper 5.7 Record damper location, type and identification in report format
6. Understand how to problem solve	6.1 Evaluate problems through the application of appropriate technical skills and knowledge

WHAT CERTIFICATION WILL YOU ACHIEVE?

Successful candidates will achieve a City & Guilds Accredited certificate in Fire Training: Fire/Smoke Damper Technician – Inspections & Testing Competency Course. The certificate of competence should be refreshed every 2 years.

HOW IS THIS COURSE DELIVERED?

Learning will come in a classroom environment in the form of trainer explanation, group discussions, videos, practical classroom exercises and will be broken up with breakout sessions. Assessment of learning will be a multiple choice delivered by paper.

DO YOU NEED TO BRING ANYTHING WITH YOU?

- Confirmation of working at heights training.
- The course trainer will provide everything else for the course.
- Safety boots and appropriate clothing.

RELATED COURSES

Delegates undertaking this course may also be interested in the following City & Guilds and IOSH accredited courses:

HXT-F04

`ON-SITE` `LIVE WEB-CONFERENCE` `OPEN CLASSROOM`

FIRE DAMPER AWARENESS
1 Day (Open Classroom)
3 Hours (Live Web-Conference)

HXT-F05

`ON-SITE` `LIVE WEB-CONFERENCE` `OPEN CLASSROOM`

FIRE DOOR INSPECTION
1 Day (Open Classroom)
3.5 Hours (Live Web-Conference)

HXT-F06

`ON-SITE` `LIVE WEB-CONFERENCE` `OPEN CLASSROOM`

FIRE RESPONSIBLE PERSON
1 Day (Open Classroom)
3.5 Hours (Live Web-Conference)

IOSH-MS

`ON-SITE` `LIVE WEB-CONFERENCE` `OPEN CLASSROOM`

IOSH MANAGING SAFELY
3 Days (Open Classroom)
3 Days (Live Web-Conference)

IOSH-MSR

`ON-SITE`

IOSH MANAGING SAFELY REFRESHER
1 Day (On-Site)

IOSH-WS

`ON-SITE` `LIVE WEB-CONFERENCE` `OPEN CLASSROOM`

IOSH WORKING SAFELY
1 Day (Open Classroom)
1 Day (Live Web-Conference)