



*Training Course:
Domestic Ventilation*

1 - 5 November 2026

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Domestic Ventilation

Training Course code: EN234604 From: 1 - 5 November 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4410 € Euro

Introduction

Domestic ventilation systems are essential for maintaining indoor air quality, controlling moisture, and ensuring a healthy living environment. Proper ventilation design and operation help prevent issues such as condensation, mold growth, and poor air circulation in residential buildings.

This program, designed by Global Horizon Training Center, equips participants with the knowledge and practical skills required to design, install, and maintain effective domestic ventilation systems in compliance with building standards.

Course Objectives

By the end of this program, participants will be able to:

- Understand the principles of residential ventilation and indoor air quality
- Identify different types of domestic ventilation systems
- Design ventilation systems based on building requirements
- Apply best practices for installation and system setup
- Ensure compliance with ventilation standards and regulations
- Perform system testing and airflow balancing
- Maintain and troubleshoot ventilation systems
- Improve energy efficiency and occupant comfort

Target Audience

This program is designed for:

- HVAC Technicians and Installers
- Building Services and Mechanical Engineers
- Facility and Property Managers
- Construction and Residential Contractors
- Maintenance Personnel
- Professionals involved in residential building services

Outline

Day 1: Fundamentals of Domestic Ventilation

- Introduction to ventilation and indoor air quality
- Types of ventilation systems natural, mechanical, hybrid
- Moisture control and condensation issues
- Health and comfort considerations
- Standards and regulations

Day 2: System Design and Planning

- Ventilation requirements for residential buildings
- Airflow calculations and system sizing
- Layout and duct design
- Equipment selection and placement
- Energy efficiency considerations

Day 3: Installation Practices and Techniques

- Installation of ventilation units and ductwork
- Sealing and insulation of ducts
- Electrical connections and controls
- Quality control during installation
- Common installation challenges

Day 4: Testing, Commissioning, and Balancing

- System testing and commissioning procedures
- Airflow measurement and balancing
- Performance verification
- Troubleshooting system issues
- Documentation and handover

Day 5: Maintenance, Optimization, and Case Studies

- Routine maintenance and servicing
- Filter replacement and system cleaning
- Identifying and resolving faults
- Improving system efficiency
- Case studies and real-world applications

Registration form on the Training Course: Domestic Ventilation

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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- Please find enclosed a cheque made payable to Global Horizon
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