

T R A I N I N G C O U R S E S

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refrigeration & air conditioning

PUTTING THE THEORY INTO PRACTISE

AIREDALE

air conditioning for every environment

AIREDALE TRAINING COURSE PROSPECTUS

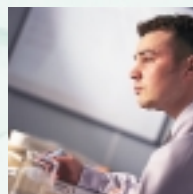
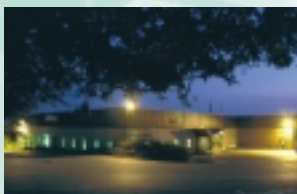
THE COMPANY

Airedale International Air Conditioning Ltd has designed and manufactured an extensive range of air conditioning products for a global market since 1974. In that period the company has grown to become the largest privately owned manufacturer of its type in the UK.

THE COURSES

Airedale International has developed a comprehensive range of air conditioning and refrigeration training courses that have been specifically designed to accurately reflect the training requirements of today's industry professionals.

All training courses are subject to continual audit, and delegate assessment is a vital element of each training programme. Every delegate receives a Certificate of Achievement upon successful completion and CITB Certificates are awarded on the relevant courses.



1

BASIC REFRIGERATION AND AIR CONDITIONING

FEE: £350+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

**WHO SHOULD ATTEND?**

Anyone new to the industry or those with limited experience of air conditioning and refrigeration systems and their role in modern buildings.

This introductory short course covers a wide subject field and is condensed into an intensive two-day course.

This makes it ideal for those who are seeking to obtain basic knowledge by attending a formal air conditioning and refrigeration training course.

The course would therefore benefit anyone wishing to enhance their technical knowledge and makes an ideal stepping-stone onto the more advanced modules.

ON COMPLETION DELEGATES WILL UNDERSTAND:

- Human Comfort
- Heat gains and heat losses
- Fundamentals of air conditioning and refrigeration, including the vapour compression cycle
- Modern refrigerants
- A basic knowledge of Psychometrics
- Air conditioning equipment and their part to play in buildings
- How to analyse an air conditioning and refrigeration circuit using gauges and thermometers

WHEN IS IT TAKING PLACE?**2010 Dates**

25, 26 January

19, 20 April

9, 10 August

1, 2 November



2

AIR CONDITIONING INSTALLATION, COMMISSIONING AND MAINTENANCE

FEE: £599+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

WHO SHOULD ATTEND?

Anyone wanting to build on their existing knowledge of air conditioning and refrigeration systems, and their role in modern buildings (as provided by course one).

This three-day course covers a wide subject field from installation of a system, including its pipework, through to the commissioning of the system and it's final hand over.

A more advanced course ideally suiting existing installation, service, project, application or commissioning engineers.

ON COMPLETION DELEGATES WILL BE ABLE TO:

- Understand sound brazing practises
- Appreciate Health & Safety aspects of working with various gases
- Safely carry out pressure testing & evacuation, charging and reclaiming of refrigerants
- Understand the basic fundamentals of commissioning air conditioning systems and be familiar with the tools and equipment needed
- Consider completing safe handling of refrigerant certification

WHEN IS IT TAKING PLACE?

2010 Dates

27 - 29 January

21 - 23 April

16 - 18 August

3 - 5 November



3

DESIGN PRINCIPLES

FEE: £599+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)



WHO SHOULD ATTEND?

This course will help potential air conditioning and refrigeration system designers, sales, application and project engineers to obtain an in depth appreciation of design, specification and installation through to hand over of effective reliable systems.

A three-day intensive course makes it ideal to build on existing knowledge gained from previous experience or by attending parts one or two modules.

Installation and maintenance engineers would also benefit by attending this course to obtain a broader understanding of the technical side rather than purely the practical skills.

ON COMPLETION DELEGATES WILL:

- Understand load calculations
- Gain a knowledge of basic design considerations, including ductwork, water and refrigeration pipework, noise and vibration
- Appreciate design principles such as equipment selection
- Understand noise.

WHEN IS IT TAKING PLACE?

2010 Dates

22 - 24 February

11 - 13 August



1

CITB SAFE HANDLING OF REFRIGERANTS

2 DAYS

FEE: £350+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

WHO SHOULD ATTEND?

A number of challenges face the refrigeration industry. The most significant one is that there is now immense pressure for personnel responsible for the handling of flurocarbon refrigerants to be fully trained. Airedale has responded to this demand by providing the CITB Refrigerant Handling training course. Assessment and certification are carried out to nationally recognised CITB standards.

ON COMPLETION DELEGATES WILL:

- Have increased their knowledge of current legislation and environmental concerns
- Understand the causes and effects of ozone depletion and global warming
- Be familiar with the availability of non-ozone depleting refrigerants
- Be proficient in the reclaim and recycling of refrigerants

WHEN IS IT TAKING PLACE?

2010 Dates • 1 - 2 February, 26 - 27 April, 31 August - 1 September, 22 - 23 November

2

CITB PIPEWORK AND BRAZING COMPETENCY CERTIFICATION COURSE

2 DAYS

FEE: £350+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

WHO SHOULD ATTEND?

Air conditioning or refrigeration engineers who carry out installation and assembly work associated with pipework and brazing are ideally suited to this very practical certification course.

ON COMPLETION DELEGATES WILL BE ABLE TO:

- Work with different copper line diameters and brazing material alloys to produce quality leak-proof joints
- Understand current information and legislation on how to use new refrigerants

WHEN IS IT TAKING PLACE?

2010 Dates • 3 - 4 February, 28 - 29 April, 2 - 3 September, 24 - 25 November

3

CITB ESSENTIAL ELECTRICS

FEE: £450+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

3 DAYS

WHO SHOULD ATTEND?

Anyone new to the AC & R industry, or those with some experience seeking formal training in basic electrical theory including essential practical skills. The course gives delegates sufficient knowledge to achieve a Nationally recognised qualification issued by the CITB named 'Essential Electrics'.

ON COMPLETION DELEGATES WILL:

- Basic Electrical Theory which includes electrical units and their measurement
- Practical wiring skills associated with control and power wiring
- Power supplies use and application
- Environmental requirements
- Instrumentation types and use

WHEN IS IT TAKING PLACE?

2010 Dates • 8 - 10 March, 6 - 8 September, 6 - 8 December

4

CITB4 – REFRIGERANT HANDLING

FEE: £675+VAT (INC TUITION, MATERIALS, LUNCH & REFRESHMENTS)

4 DAYS

WHO SHOULD ATTEND?

Under the new F-Gas regulations by July 2011 all engineers working with systems that contain refrigerant must attain a minimum accreditation of J11 refrigerant safe handling.

ON COMPLETION DELEGATES WILL:

- Have increased their knowledge of current legislation and environmental concerns
- Understand the causes and effects of ozone depletion and global warming
- Be familiar with the availability of non-ozone depleting refrigerant.
- Be proficient in the reclaim and recycling of refrigerants.
- Understand the important commissioning techniques leading to a more efficient energy cycle.

WHEN IS IT TAKING PLACE?

2010 Dates • 1 - 4 February, 26 - 29 April, 31 August - 3 September, 22 - 25 November