

CO₂ TRAINING CENTRE

City & Guilds
Approved Centre



Epta Training Centre

Epta, in 2009, designed a **CO₂ Training Centre** for training engineers from throughout the industry; the primary focus was on the widespread adoption of **CO₂ as a refrigerant** and the necessary skills that this required passing on to the workforce.

A full complement of CO₂ systems are available for training and research:

Cascade system – a two compressor cascade system featuring Bitzer compressors and standby cooling together with inverter control.

Transcritical Booster system – A multi compressor system comprising MT and LT booster compressors. The system is configured to utilise multiple transcritical and flash gas solutions. The plant is equipped with inverters and standby cooling.

Pumped system – featuring the latest Grundfos hermetic refrigerant pump, and multiple regulation valve options.

In 2010 the centre was accepted as a **City & Guilds approved** training provider and expanded its operation into conventional refrigeration technology.

The centre is manned by two **City and Guilds approved** assessors and a number of **tutors** who can deliver the courses in a multitude of languages.

All the staff working within the centre have many years of **experience working with CO₂ systems** around the world.

Administration staff also provide additional support and can assist with booking queries and special requests.



The training at Epta is carried out in our designated training centre. Each course includes a set of accompanying notes for the students to keep.

Lunch is provided and refreshments are available throughout the day.

We have two dedicated workshops.

The CO₂ centre is equipped with the latest in **CO₂ technology** and has **pumped, transcritical** and **cascade** plants as well as a **heat recovery module**.

The F-Gas centre is equipped with a City & Guilds approved test rig and full brazing equipment.

CO₂ TRAINING CENTRE

CO₂ Training Courses

EPTA SERVICE COURSE

Undertake theory and practical training that gives you the experience to carry out service and maintenance on all types of Epta supplied CO₂ equipment. Course covers pumped systems, transcritical boosters systems and cascade systems.

- **Course Duration 2 Days**
- **Course Cost £750**

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EPTA CO₂ APPRECIATION COURSE

A course designed for those who want to understand CO₂ systems but do not want to work with the equipment.

The course covers the basic principles of using CO₂ as a refrigerant, the basic types of CO₂ systems and the health and safety aspects of working with CO₂.

- **Course Duration 1 Day**
- **Course Cost £325**

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CITY & GUILDS 6187-31 CO₂ SERVICE & MAINTAINANCE

Undertake theory and practical training to prepare you for City & Guilds industry certified qualification.

The course covers, basic principles, CO₂ systems, risk assesment, and practical work on transcritical, cascade and pumped systems

- **Course Duration 3 Days**
- **Course Cost £900**

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Refrigeration Training Courses

CITY AND GUILDS 2079 F-GAS

Undertake theory and practical training to prepare you for the 2079 F-Gas qualification. The course is offered as a 2 day session for experienced engineers and a 3 day session for those requiring additional technical training. The final day includes the City and Guilds assessment.

- **Course Duration 2 Days / 3 Days**
- **Course Cost £325 / £425**

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BRA BRAZING ASSESSMENT

A course for those needing the skills to braze to the BRA specification.

The course covers Health and Safety, the use of Oxy/Acetylene equipment and teaches both brazing and silver soldering. Assessment is carried out by producing a standard specimen test piece.

- **Course Duration 1 Day**
- **Course Cost £290**

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CITY & GUILDS 6187-21 HYDROCARBON SERVICE & MAINTAINANCE

Undertake theory and practical training to prepare you for the 6187-21 hydrocarbon qualification.

The course covers theory and practical aspects of working with Hydrocarbon refrigerants and concludes with an assessment of skills.

- **Course Duration 1 Day**
- **Course Cost £235**

All course fees include lunch and the issue of certificates and exam fees where applicable. VAT is additional.

For more Information

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