

Practical Training Course: Safe Handling of Carbon Dioxide as a Refrigerant

This one day course covers the basics of carbon dioxide (CO₂, R744) as a refrigerant and explains how it should be safely handled.

The following theory and practical topics are included:

- Explanation of pressure enthalpy charts;
- Basics of CO₂ as a refrigerant
- Outline of typical CO₂ systems:
 - Cascade sub critical
 - Trans critical systems
- Hazards associated with CO₂;
- How to handle CO₂ safely;
- Installation, service and maintenance procedures for CO₂ systems;
- Hands on - charging CO₂;
- Hands on - venting CO₂ safely;
- Work on CO₂ rigs – sub critical cascade and / or trans critical.

High quality course notes will be provided. The venue for this course is Cool Concerns' training centre in the West Midlands.

Training providers

The Cool Concerns training is provided by the working directors – Jane Gartshore and / or Stephen Benton. Between us we have a wide and varied range of practical experience within the refrigeration and air conditioning industry.

We provide training that “hits the spot” – it is relevant, informative and fun with the emphasis on practical information presented in high quality theory presentations with plenty of opportunity for questions and discussion.

We have worked with the Danish Technical Institute (DTI) to develop this course. CO₂ is widely used in Denmark, in particular in retail systems. The DTI has in depth experience in the design, development and operation of CO₂ systems and components.