

Fault Finding for Refrigeration Service / Maintenance Engineers

This two day interactive training session covers fault diagnosis and repair on commercial refrigeration and air conditioning systems. It starts with a revision of basic refrigeration because a good understanding of system operation is essential to fault diagnosis. The following topics are included in the session:

- Refrigeration basics – revision session;
- System operation and what determines operating temperatures and pressures;
- Introduction to fault finding – a logical process;
- High and low pressure faults;
- Compressor faults;
- Basics of electrics and how to read a ladder wiring diagram;
- Compressor electrics:
 - Single phase starters;
 - Three phase starters;
- Using a meter to diagnose electrical faults;
- Using a Megger;
- Practical fault finding.



The course comprises theory, discussion and practical sessions. We use a range of typical tools, equipment and electrical test meters.

Assessment

There is an informal practical assessment at the end of the session which comprises fault diagnosis on five systems, each of which has a different fault.

Cost

The cost for this two day session is £495 + VAT per person. The sessions are limited to a maximum group size of five.

About Cool Concerns' Training – for engineers by engineers

Training and assessments are carried out by the working directors – Jane Gartshore and Stephen Benton – and by Alan Snelling. We are refrigeration engineers and 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 hands on practice mixed with high quality theory presentations. All our training is designed to use trainees' time as efficiently as possible, thus minimising expensive down time. We draw on the wide range of experience of both trainers to prepare high quality training sessions.