

## C4, City and Guilds 2079-14 (Leak Test Only) Training and Assessment

This one day session is for engineers who carry out non invasive maintenance, including leak testing.

Cool Concerns Ltd is approved by City and Guilds to assess candidates for the C & G 2079 refrigerant handling scheme. This is a practical skills test plus an online assessment to check knowledge.

It is a legal requirement that all engineers who leak tests systems containing fluorinated refrigerant (HFC) have at least the C & G 2079 category 4 qualification (or the Construction Skills equivalent). Most engineers will require some training / revision to reach the required standard for the practical and knowledge assessments. To minimise down time some of this training is in the form of a self study pack followed by just half a day of revision before the assessment.

Self study	A self study book is sent to candidates about a month before the assessment. This provides comprehensive coverage of the knowledge required, an outline of the practical assessment and sample questions to check knowledge. This must be read and absorbed before the revision and assessment session.
Revision session, morning	This half day session includes revision of the knowledge required, review of the sample questions and a practical demonstration. There is ample opportunity for candidates to ask questions about topics they are unsure of.
Assessment, afternoon	Online assessment and practical assessment. Immediate feedback is given to the candidate after each assessment regarding pass / failure.

The course is a mix of theory, practical, discussion sessions and “toolbox talks” with the emphasis on active participation. Numbers on the course are usually limited to six. Trainees are provided with high quality course notes in advance of the session.

### Cost

The course cost is £275 per person excluding VAT. This cost includes the self study course notes, luncs and C & G certification.

### Location

The course is run at our training centre a few minutes from junction 8 of the M5. We provide joining information with directions, start time and a list of local hotels.

## About Cool Concerns Training

Our training is developed and delivered by the working directors Jane Gartshore and Stephen Benton. We are engineers and have a wide and varied range of practical and theoretical experience within the refrigeration and air conditioning industry.

We provide training which is up to date, informative and fun with the emphasis on practical 'hands on' mixed with high quality presentations and supported by relevant documentation and notes. All our training is designed to use trainees' time as efficiently as possible to minimise expensive down time. We draw on our wide range of experience to prepare and deliver industry leading training sessions. We limit numbers on each session to ensure an effective trainer to trainee ratio.

## City and Guilds 2079-14

Engineers are required to carry out the following procedures on a test rig:

- Examine pipe work;
- Visually inspect the system for leaks;
- Use gauges etc to indirectly assess leakage;
- Use an electronic leak detector to do a direct leak test;
- Complete leak test records.



The test rig is an industry standard air cooled condensing unit coupled with DX evaporator, an example is shown in the photo.

Knowledge is assessed online using the City and Guilds online assessment facility at Cool Concerns. The following topics are included in the multiple choice assessment:

- SI units of measure;
- Environmental aspects - direct and indirect - of HFCs and HFC systems, including energy efficiency;
- Required record keeping;
- Potential leak points;
- Refrigerant hazards.

The procedure for the online assessment is explained prior to the assessment.

**For more information or to book contact:**

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