

## C6 - Safe Handling of Flammable Refrigerants

This half day course enables an experienced engineer to understand how to safely handle hydrocarbon (HC) and the lower flammability A2L refrigerants during installation, service, maintenance and disposal. It also provides an overview of system design and application for these refrigerants. The following topics are included in the standard course:

- Background to the use of HC and A2L refrigerants
- Properties and hazards of HC and A2L refrigerants
- Safe handling, including charging and recovery
- Service procedures for flammable refrigerant systems including accessing and sealing systems, leak testing, brazing, evacuation and component replacement
- Cylinders and cylinder storage and transport
- Performance of HCs and A2L refrigerants
- Overview of HC and A2L refrigerant system design, including maximum charge sizes
- Standards and regulations

Refrigerants covered include:

- HCs: R290 (propane), R1270 (propene), R600a (isobutane)
- A2Ls: R32, R1234yf, R1234ze, A2L blends such as R454C and R455A

The course is a mix of theory, videos, discussion sessions and “toolbox talks” with the emphasis on active participation. Numbers on the course are usually limited to 12. Trainees are provided with high quality course notes. The course can be tailored to suit individual RAC sectors, businesses and equipment types.



### Cost

The course cost is £160 Excl VAT per person. This cost includes course notes and the Cool Concerns / BOC Care card.

### Location or Zoom

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. This course can also be delivered over Zoom for groups of 4 or more.

## About Cool Concerns Training

Our training is developed by the working director Stephen Benton and delivered by training centre manager Alan Snelling. We are engineers and have a wide and varied range of practical and theoretical experience within the refrigeration, air conditioning and heat pump 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.

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

[info@coolconcerns.co.uk](mailto:info@coolconcerns.co.uk)

01684 290333

[www.coolconcerns.co.uk](http://www.coolconcerns.co.uk)

Unit 5, Duddage Business Park, Bockeridge Road, Twyning, Glos GL20 6BY