

## Workshop: EN 378:2016

This one day workshop is for system specifiers and designers who need a working knowledge of EN 378 Refrigerating systems and heat pumps – Safety and environmental requirements.

EN 378 is in four parts and is an important standard in our industry. It is relevant to all RACHP systems which do not fall under product standards. It provides guidance for those who design, construct, install, operate, maintain and use RACHP systems. It also provides a means of proving conformity to the Pressure Equipment Directive (PED) 97/23/EC and the Machinery Directive (MD) 98/37/EC.

The following topics are included in the workshop:

- An introduction to EN 378;
- Scope of the standard;
- Part 1 – which sets the scene;
- Part 2 – all about design;
- Part 3 – installation;
- Part 4 – operation and maintenance.

### Interactive workshop

The workshop is an interactive session. We will cover the key areas of the standard and during the session you will do exercises designed to demonstrate how you apply the standard. These include calculating the allowed maximum charge for flammable refrigerants and the required over pressure protection for a range of systems. You will be provided with notes, but you must have your own copy of EN 378 (it is copyright so we are not allowed to provide you with this).

We schedule these sessions at our training centre in Gloucestershire, but we can run them elsewhere to suit you. The course can be tailored to suit your own requirements. For courses run in house we provide presentation equipment.

As an additional option we can include information about regulations such as the Pressure Equipment Directive (PED).

### Cost

The cost for the workshop is £295 + VAT per person.

## About Cool Concerns' Training – for engineers by engineers

Training is carried out by the working directors – Jane Gartshore and Stephen Benton. We are both refrigeration engineers with in depth knowledge of standards and regulations. 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 high quality relevant 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.