

Assessment: BRA Brazer Scheme

Cool Concerns Ltd assesses candidates to the British Refrigeration Association's Brazer scheme standard. This is a practical skills test coupled with a multiple choice assessment to check knowledge about the safety aspects and application of brazing.

Engineers who pass this assessment are qualified to the standard required by notified bodies to comply with the Pressure Equipment Directive for all SEP and Category 1 joints. For most installations joints fall into these two categories.

For the practical part of the test the candidate brazes a test piece which comprises a number of different joints, using both copper and steel. Two levels of test are available, using different test piece sizes, in line with NVQ levels 2 and 3. The test pieces are cut open and examined to check for penetration.

The overall aims of the assessment are to ensure that:

- Engineers work safely while brazing;
- To reduce refrigerant leakage through 'best practice' jointing.

Notes are sent out in advance of the assessment to cover the background knowledge. Training of brazers prior to the assessment can be provided by special arrangement.

Cool Concerns Ltd can provide test piece kits (see next page for details).

Training and assessments is typically carried out in house and we can provide oxy-acetylene brazing equipment and other tools if necessary. Suitable workshops with benches and vices are essential for the assessments.

The certificate is valid for 3 years.

About Cool Concerns' Training and Assessments

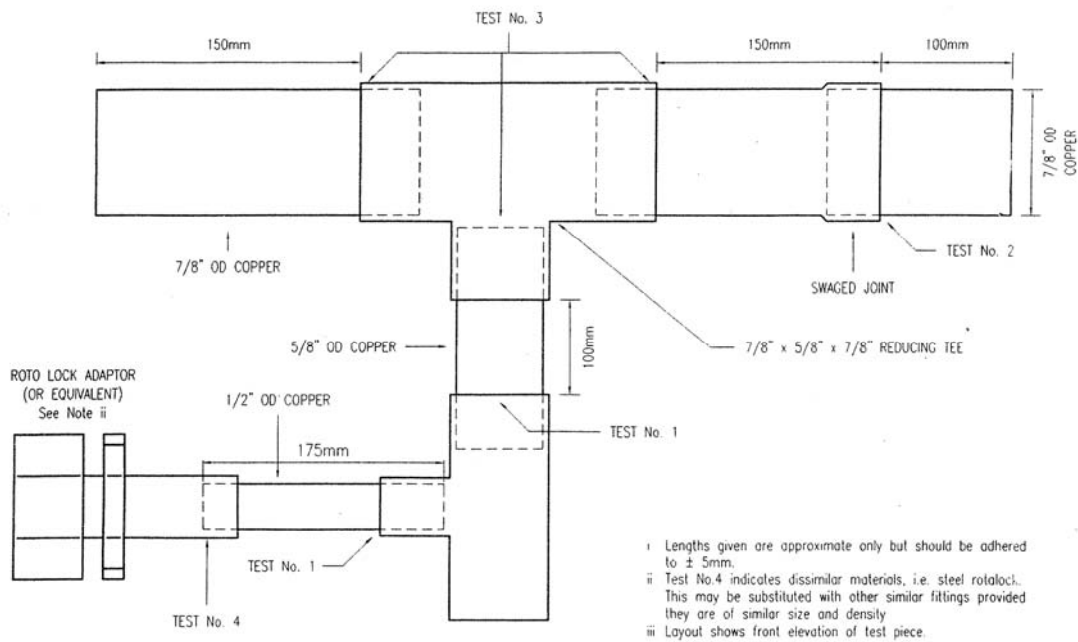
Brazer training and assessment is provided director Stephen Benton. Stephen has a wide and varied range of practical experience within the refrigeration and air conditioning industry.

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 engineer's time as efficiently as possible, minimising expensive down time. We draw on the wide range of experience the trainers to prepare high quality training sessions.

Test Pieces

Test piece for Small Refrigeration & Air Conditioning system.
(Generally Below 10 Kw Input Power.)
Test sample for manual torch brazing.



Test piece for commercial and industrial Refrigeration and Air-conditioning system (other than ammonia)
(Generally above 10 Kw input power.)
Test sample for manual torch brazing.

