

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.

Legal requirement

It is a requirement of the Fluorinated Gas (F Gas) Regulation that anyone installing refrigeration or air conditioning system pipe work is required to have a recognised qualification. For pipe fitters who just install pipe but do not pressure test, evacuate or charge systems the BRA brazer certificate is a recognised qualification. Pipe fitters who also pressure test, evacuate and / or charge systems must have an F Gas qualification – either the City and Guilds 2079 or the CITB J11. Cool Concerns Ltd can assess candidates for the C & G 2079 qualification.

It is a requirement of the Pressure Equipment Regulation that pipe fitters brazing SEP or hazard category 1 joints have an industry recognised qualification – the BRA certificate meets that requirement, and is therefore acceptable for most joints. For hazard categories 2, 3 or 4 (very few joints fall into these categories) a qualification from a notified body is required. Cool Concerns Ltd can facilitate this qualification.



The assessment

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;
- 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 provides the test piece kit (see next page for details). The training and assessments are carried out at our workshop in the West Midlands and can also be carried out at customer's premises if suitable.

The certificate is valid for 3 years.

Cost

The BRA brazer assessment costs £225 plus VAT per candidate. This includes the course notes, the brazer test piece materials and consumables.

About Cool Concerns' Training and Assessments

Brazer training and assessment is provided director Stephen Benton and by specialist trainers / assessors who all have a wide and varied range of practical experience within the refrigeration and air conditioning industry.

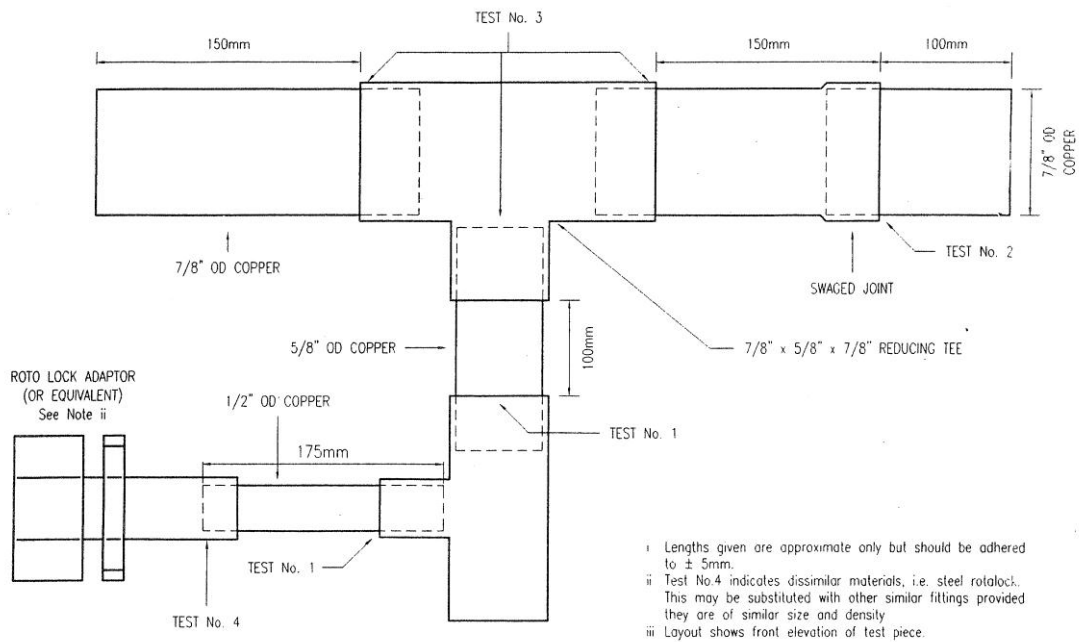
We provide training that "hits the spot" – it is relevant, informative and fun with the emphasis on hands on practice mixed with high quality theory presentations.

All our training is designed to use 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 Conditionin. 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.

