

Course Information

Unit Code:	BGS - 2
Unit Title:	Design beverage gas systems
Nominal Duration:	35 Hours
Competency Field:	Beverage Gases

Unit Description:

This unit provides the necessary competency to design beverage gas systems which meet AS 5034, including practical workshops in manifolds, distribution systems, suitability of components and the safe location of systems. This competency will apply to the design of all aspects of beverage gas safety in the workplace.

Application of the Unit:

This unit requires the candidate to demonstrate an understanding of AS 5034 in relation to the design of beverage gas systems. Knowledge of relevant legislation and workplace policies and procedures, particularly in regard to safety are also required.

Elements:

1. Describe key components of beverage manifold supply systems and beverage distribution delivery systems.
2. Apply knowledge of component parts of beverage gas systems and the impact the location of beverage gas systems can have on a workplace.
3. Apply knowledge of monitoring requirements and the application of relevant standards and best practice.

Method of Assessment:

Tasks may include:

- identifying the principles of beverage gas safety and developing and maintaining safe work practices
- performance of a variety of procedures, including the disconnection and re-connection of gas cylinders and use of gas monitors according to safety requirements
- awareness of confined spaces, ventilation, entry procedures and emergency response.
- written and/or oral questioning to assess knowledge and understanding of beverage gas safety including relevant legislation
- completing workplace documentation relevant to beverage gas safety
- third party reports from experienced beverage gas professionals in the workplace.

Entry requirements:

Recognition of Prior Learning and Trades Qualifications applies to the course entry requirements.

Candidates who can provide evidence of or equivalent to:

- * an appropriate current Trade Qualification or equivalent (e.g. Gas Fitting, Plumbing, Refrigeration or Electrical); or
- * a relevant Certificate IV or Diploma qualification; or
- * a minimum of three (3) years industry experience in a similar vocation

will be able to apply for the course. Candidates will be required to undertake a prequalification assessment to demonstrate applied knowledge prior to commencing the course.

The Australian Standard 5034 special note states, "***It is generally accepted that a competent person for any task means a person who has acquired through training, qualifications or experience, or a combination of them, the knowledge and skills to carry out the task***". An appropriate Certificate III is similar to but not restricted to Gas Fitting, Plumbing, Refrigeration or Electrical, but not including automotive gas qualifications.

For participants undertaking Units 1 to 5 they must be able to provide evidence of an appropriate current trade Qualification in either Gas Fitting, Plumbing, Refrigeration or Electrical, a Certificate IV or Diploma qualification and a minimum of three (3) years industry experience in a similar vocation.

Candidates wishing to undertake only Units 1 and 4 will be admitted with open entry.

Contact us:

For further information direct enquiries to **Course Information Officer:**

Email: support@gassafety.com.au
Telephone: (02) 9695 7025
Mail: PO Box 650, Botany NSW 1455