



Australian Government

Assessment Requirements for CPCPMS3034 Install and test medical gas pipeline systems

Release: 3

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Modification History

- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
- Performance Criteria 3.3 Perform testing of installed pipework according to standards and manufacturer's specifications removed and numbering corrected.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Changes to Application and Elements and Performance Criteria 1, 2, 3.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPMS3034A Install medical gas pipeline systems. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- installing and testing three medical gas pipeline systems (each with a different medical gas) from a manifold system to terminal units and fittings ensuring:
 - the inclusion of purged silver brazed joint(s)
 - a minimum of 1.5 metres of approved copper tube per medical gas pipeline incorporating a minimum of two changes of direction using a mechanical bender
 - test and document results are recorded
 - cleanliness and sterility of finished system
 - correct identification of requirements and details of proposed installation
 - correct selection and use of appropriate processes, tools and equipment
 - completion of all work to specifications.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- pressure testing procedures and equipment
- processes and requirements of installing, testing and purging medical gas pipeline systems
- types of information on medical gas pipelines systems

- materials for installing medical gas pipeline systems
- types of medical gas and pipelines:
 - medical breathing air
 - medical suction
 - standard oxygen
- components of medical gas pipeline systems:
 - fixtures and labels
 - medical gas pipeline materials and supports
 - terminal units and fittings
- how to access relevant information, including codes, standards and manufacturer's specifications
- tools, materials and equipment used to install and test medical gas pipeline systems
- work health and safety (WHS) requirements to install and test medical gas pipeline systems
- properties of gas, gas safety, combustion principles, pressure and flow rates.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>