



Australian Government

CPCPGS4011 Design and size consumer gas installations

Release: 1

CPCPGS4011 Design and size consumer gas installations

Modification History

- Release 1
- This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPGS4011C Design and size consumer gas installation. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to design and size consumer gas installation and includes consumer piping, flueing and ventilation.

It covers preparation for the work, determination of gas installation requirements, detailed planning of the layout and completing work.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

Nil.

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Identify system requirements.	1.1 Access, read and determine design requirements from plans, specifications, relevant manufacturer’s requirements, Australian standards and jurisdictional requirements.
	1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.
	1.3 Select appropriate tools and equipment including

personal protective equipment (PPE).

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| 2 Design and size system layout. | 2.1 Determine quantity, location and type of take-off points and appliances from plans and specifications. |
| | 2.2 Produce and size consumer gas installations in accordance with relevant manufacturer's requirements, Australian Standards and jurisdictional requirements. |
| | 2.3 Use the proposed design to identify and specify optimal materials required. |
| | 2.4 Produce final system layout plans to relevant drawing design standards. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPGS4011C Design and size consumer gas installation.

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>