

Unit of Competency CPCPGS3048

Install gas pressure control equipment

Application

This unit specifies the skills and knowledge required to install and commission gas control and regulating equipment for consumer piping carrying natural gas (NG) or liquefied petroleum gas (LPG) up to 200 kPa.

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

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements.

Elements and Performance Criteria

1. Identify installation requirements.	<ul style="list-style-type: none">1.1 Access, read and determine gas pressure control equipment installation requirements from job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements.1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.
2. Prepare for work.	<ul style="list-style-type: none">2.1 Identify potential hazards and determine and implement control measures.2.2 Create a materials list and collect materials.2.3 Select appropriate tools and equipment including personal protective equipment (PPE).
3. Install and commission equipment.	<ul style="list-style-type: none">3.1 Perform installation of pipework, fittings and gas pressure control equipment.3.2 Test, purge and commission system.3.3 Adjust gas pressure.3.4 Complete documentation according to regulatory requirements.
4. Clean up.	<ul style="list-style-type: none">4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.

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 CPCPGS3048A Install gas pressure control equipment.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPGS3048 Install gas pressure control equipment

Performance Evidence

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

- installing one single and one two-stage system connecting to an appliance that includes an internal relief and over-pressure shut off valve.

Knowledge Evidence

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

- how to access relevant information, including codes and standards
- tools, materials and equipment used for the installation and commissioning of gas control and regulating equipment
- work health and safety (WHS) requirements for the installation and commissioning of gas control and regulating equipment
- properties of gas, gas safety, combustion principles, pressure and flow rates.
- processes, procedures and techniques for installing, testing and commissioning gas pressure control equipment
- installation and ventilation requirements of over-pressure regulators, including internal relief and over-pressure shut off (OPSO) valves.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed 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

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