

Unit of Competency CPCPGS3051

Purge consumer piping

Application

This unit specifies the skills and knowledge required to purge consumer gas piping systems greater than 0.03 cubic metres (30 L in volume).

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 purge requirements.	<p>1.1 Access, read and determine requirements for consumer piping requirements from relevant job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.</p> <p>1.2 Identify and apply organisational work health and safety (WHS) and environmental requirements.</p>
2. Prepare for work.	<p>2.1 Identify potential hazards and determine and implement control measures including electrical safety.</p> <p>2.2 Calculate and record volume of the piping system.</p> <p>2.3 Select medium and method for purging a consumer piping system.</p> <p>2.4 Select appropriate tools and equipment including personal protective equipment (PPE).</p>
3. Carry out and test purge operation.	<p>3.1 Perform purge in accordance with relevant codes, Australian standards and jurisdictional requirements.</p> <p>3.2 Complete documentation according to regulatory requirements and/or workplace procedure</p>
4. Clean up.	<p>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.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>

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 CPCPGS3051A Purge consumer piping.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPGS3051

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Performance Evidence

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

- undertaking purge operations for a consumer gas piping system of greater than 0.03 cubic metres (30 L in volume) which includes a subsidiary meter including:
 - o one fuel gas purge
 - o one inert gas purge.

Knowledge Evidence

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

- characteristics of gases used in the purging process, including:
 - o inert gas
 - o fuel gas
- electrical safety and required precautions
- procedures for purging gas piping systems, including isolation processes and procedures
- properties of gas, gas safety, combustion and ignition principles, purge pressure and flow rates
- tools, materials and equipment used to purge consumer piping:
 - o purge stack
 - o gas detector
 - o purge bucket
- safe work practices associated with purging consumer piping systems
- how to access relevant information, including Job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements
- work health and safety (WHS) requirements for purging consumer gas piping systems.

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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