

Unit of Competency CPCPWT4023

Commission and maintain hot and heated water temperature control devices

Application

This unit specifies the skills and knowledge required to test, commission and maintain hot and/or heated water temperature control devices, including thermostatic mixing valves in water services.

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

CPCPWT3022 Install and commission water heating systems and adjust controls and devices

Elements and Performance Criteria

1. Identify commissioning and maintenance requirements.	1.1 Access, read and determine device commissioning and maintenance requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements.
	1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.
2. Prepare for work.	2.1 Create a materials list and collect materials.
	2.2 Select appropriate tools and equipment including personal protective equipment (PPE).
3. Commission and maintain device.	3.1 Commission and maintain device in compliance with manufacturers' instructions, relevant Australian Standards and jurisdictional requirements.
	3.2 Complete documentation according to regulatory requirements.
4. Clean up.	4.1 Clear the work area and dispose of, reuse or recycle materials in accordance with state or territory legislation and workplace requirements.
	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 CPCWPT4023A Commission and maintain hot and heated water temperature control devices.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPWT4023

Commission and maintain hot and heated water temperature control devices

Performance Evidence

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

- testing and commissioning three different types of thermostatic mixing valves in accordance with manufacturers' instructions and relevant Australian Standards
- maintaining three different types of thermostatic mixing valves in accordance with manufacturers' instructions and relevant Australian Standards.

Knowledge Evidence

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

- bacteria in water and its effect on health
- characteristics and applications of different types of hot and/or heated water temperature control valves and devices
- process of commissioning hot and/or heated water temperature control devices
- properties of water, including pressure and flow rates
- how to access relevant information, including codes and standards
- tools, materials and equipment used to test, commission and maintain hot and/or heated water temperature control devices, including thermostatic mixing valves in water services
- work health and safety (WHS) requirements for testing, commissioning and maintaining hot and/or heated water temperature control devices, including thermostatic mixing valves in water services.

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 Volume Implementation Guide:

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