



Australian Government

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

Release: 2

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

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Minor change in Performance Evidence for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is not equivalent to CPCPWT3022A Install and adjust water service controls and devices, and CPCPWT3023A Install and commission water heating systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to install and commission water heaters and install and adjust controls and mixing devices used to manually control water mix and flow.

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

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing and Fire Services

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Identify installation requirements. | 1.1 Access, read and determine water heating system and control device installation requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements. |
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- 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 and check serviceability of appropriate tools and equipment including personal protective equipment (PPE).
- 3 Install water heating system and service control device.
 - 3.1 Position water heating system in accordance with relevant Australian Standards, manufacturers' instructions and jurisdictional requirements.
 - 3.2 Install and connect pipework and valves to water heating system in accordance with relevant Australian Standards, manufacturers' instructions and jurisdictional requirements.
 - 3.3 Determine tempered water control device size from available pressure and number of fixtures supplied in accordance with Australian Standards, manufacturers' instructions and jurisdictional requirements.
 - 3.4 Install tempered water device and connect to pipework in accordance with Australian Standards, manufacturers' instructions and jurisdictional requirements.
 - 3.5 Commission water heating system and control device.
 - 3.6 Test installed pipework according to Australian Standards, manufacturers' instructions and jurisdictional requirements.
 - 3.7 Complete installation and documentation according to relevant regulatory and workplace 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 not equivalent to CPCPWT3022A Install and adjust water service controls and devices, and CPCPWT3023A Install and commission water heating systems.

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>