

Unit of Competency CPCPWT3020

Connect and install storage tanks to a domestic water supply

Application

This unit specifies the skills and knowledge required to connect and install storage tanks to a domestic water supply.

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

Prerequisite Units

CPCPCM2043 Carry out WHS requirements

CPCPCM3023 Fabricate and install non-ferrous pressure piping

Elements and Performance Criteria

1. Identify installation requirements.	1.1	Access, read and determine storage tank installation 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 and check serviceability of appropriate tools and equipment including personal protective equipment (PPE).
3. Install and test storage tank.	3.1	Install storage tank and associated pipework according to job instructions or plans, manufacturers' instructions, relevant Australian Standards and jurisdictional requirements.
	3.2	Pressure test and commission installed storage tank according to relevant manufacturers' instructions, Australian Standards, job specifications and jurisdictional requirements.
3. 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 CPCPWT3020A Connect and install storage tanks to a domestic water supply.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPWT3020

Connect and install storage tanks to a domestic water supply

Performance Evidence

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

- connecting and commissioning an approved static water storage tank to a water distribution pipe system
- meeting the specified location and installation requirements including:
 - correct air gap
 - operational water level
 - overflow requirements
 - minimum outlet size
 - tank placement
 - safe tray and safe waste.

Knowledge Evidence

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

- uses and limitations of materials involved in connecting and installing water storage tanks
- process for connecting static water storage tanks
- statutory and regulatory authority requirements:
 - correct air gap
 - operational water level
 - overflow requirements
 - minimum outlet size
 - tank placement
 - safe tray and safe waste
 - testing and commissioning
- how to access relevant information, including codes and standards
- tools, materials and equipment used to connect and install storage tanks to a domestic water supply
- work health and safety (WHS) requirements for connecting and installing storage tanks to a domestic water supply.

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.

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