

Unit of Competency CPCPWT3024

Install and maintain domestic water treatment equipment

Application

This unit specifies the skills and knowledge required to install and maintain domestic water treatment equipment.

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.	1.1	Access, read and determine water treatment installation requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements.
	1.2	Obtain, interpret and follow workplace, work health and safety (WHS) and environmental requirements associated with installing and maintaining domestic water treatment equipment.
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. Install, test and commission water treatment equipment.	3.1	Set out position of water treatment equipment.
	3.2	Test water supply adjacent to the equipment for appropriate pressure.
	3.3	Install water treatment equipment.
	3.4	Test and commission installation.
4. Maintain water treatment equipment.	4.1	Identify service and maintenance requirements.
	4.2	Conduct maintenance operations following manufacturers' instructions.
5. Clean up.	5.1	Clear the work area and dispose of, reuse or recycle materials in accordance with state or territory legislation and workplace requirements.
	5.2	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 CPCPWT3024A Install and maintain domestic water treatment equipment.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPWT3024

Install and maintain domestic water treatment equipment

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by installing, commissioning and maintaining one of the following:

- a cartridge water filter
- a water cooler
- a water softener
- a water conditioner
- a reverse osmosis filter
- a sand filter.

Knowledge Evidence

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

- characteristics, applications and installation requirements:
 - cartridge filters
 - water softeners
 - water coolers
 - water conditioners
 - reverse osmosis filters
 - sand filters
- osmosis and reverse osmosis, filtration and purification
- properties of hard and soft water
- sources of contamination and impurities
- pressure and flow rates
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install and maintain domestic water treatment equipment
- work health and safety (PPE) requirements for installing and maintaining domestic water treatment equipment.

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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