



Australian Government

Assessment Requirements for CPCPWT3027 Install backflow prevention devices

Release: 3

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Modification History

- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.
- Correction to prerequisite unit code from CPCPCM2043A Carry out WHS requirements to CPCPCM2043 Carry out WHS requirements.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Typographical error in Elements and Performance Criteria 1 corrected.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPWT3027A Connect irrigation systems from drinking water supply. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

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

- installing three different backflow prevention devices one being low hazard rating, one being a medium hazard rating, and one being a high hazard rating from the list below, including pipework to inlet of the backflow device and ancillary equipment.
- Low hazard device defined as:
 - dual-check valve with atmospheric port
 - dual-check valve
 - dual-check valve with intermediate vent
 - atmospheric vacuum breaker
 - single check valve (testable)
 - single check detector assembly (testable).
- Medium hazard testable device defined as:
 - double-check valve assembly
 - double-check detector assembly
 - pressure type vacuum breaker.
- High hazard testable device defined as:
 - registered break tank

- registered air gap
- reduced pressure zone device
- reduced pressure detector assembly.

Knowledge Evidence

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

- pressure and flow rates
- types of backflow prevention devices such as:
 - testable
 - non-testable
- backflow hazard ratings
- suitability of backflow prevention devices
- types of irrigation systems
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install backflow prevention devices
- work health and safety (WHS) requirements to install backflow prevention devices.

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 volumes to this training package are available at the VETNet website -

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