



Australian Government

CPCPMS3031 Fabricate and install steel pressure piping

Release: 1

CPCPMS3031 Fabricate and install steel pressure piping

Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPMS3031A Fabricate and install steel pressure piping. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to determine installation requirements and to fabricate up to DN50, install and test steel pressure piping.

It applies to pipe systems with operating pressures not exceeding 1750 kPa and 200°C.

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

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Identify installation requirements.	1.1 Access, read and determine steel pressure pipe installation requirements from job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements. 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.
2 Prepare for work.	2.1 Create a materials list and collect materials.

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| | 2.2 | Select and check serviceability of appropriate tools, equipment and personal protective equipment (PPE). |
| 3 Fabricate, install and test pipe system. | 3.1 | Set out pipework configuration. |
| | 3.2 | Perform installation of fixings and supports to manufacturer requirements, job plans, specifications and workplace requirements. |
| | 3.3 | Fabricate and joint pipe system according to job plans, specifications and manufacturer requirements for mechanical type joints. |
| | 3.4 | Perform installation of pipe system in specified location without damage or distortion to pipework or surrounding environment or other services. |
| | 3.5 | Perform testing of pipe system. |
| | 3.6 | Complete documentation according to relevant regulatory requirements and or workplace requirements. |
| 4 Clean up. | 4.1 | Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures. |
| | 4.2 | Clean tools and equipment, check for serviceability and report any damage, and store and secure according to workplace procedures. |

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 CPCPMS3031A Fabricate and install steel pressure piping.

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>