



Australian Government

Assessment Requirements for CPCPFS3044 Install distribution and range pipes

Release: 2

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Modification History

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| Release 2 | This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5 <ul style="list-style-type: none">• Amended Performance Criteria 3.2.• Amended Knowledge Evidence. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPFS3044A Install distribution and range pipes. 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 distribution and range pipes in both:
 - a new automated fire sprinkler system
 - an existing automated fire sprinkler system, incorporating two rolled grooves, three threaded joins, one mechanical Tee and one barrel union
- providing a free-flowing and leak-free water supply to at least three branches of new and an existing system
- installing a range to feed two sprinkler heads using a mechanical Tee and support all pipework according to AS 2118 Automatic fire sprinkler systems
- relocating two sprinklers in an existing system, including draining down the system.

Knowledge Evidence

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

- legislation, regulations, standards and codes
- processes, procedures and techniques of:
 - installing distribution and range pipes
 - fixing and joining of pipes
 - levelling and alignment
 - roll grooving
- applications of sustainability concepts and principles relating to plumbing, encompassing water and resource usage

- materials storage and environmentally responsible waste disposal relating to distribution and range pipe installation
- general fire protection systems terminology
- functional and operational features of tools and equipment used to install distribution and range pipes:
 - threading machines
 - roll grooving machines
 - roll grooving measuring devices
 - ladders
 - pipe wrenches
 - steel pipe
 - roll grooved and threaded fittings and valves
 - elevated work platform (EWP)
 - sockets
 - impact drills
 - threaded rod cutters
 - hammers and punches
- identification of incorrect roll grooving
- characteristics, application and limitation of approved materials and components:
 - pipe fittings and fixture supports
- how to access relevant information including job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements
- tools, materials and equipment used for installing distribution and range pipes
- work health and safety (WHS) requirements for installing distribution and range pipes
- installation requirements for installing distribution, pipework and range pipes.

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.

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>