

Title	Position, install and commission solid fuel space heaters and flues		
Level	4	Credits	4

Purpose	<p>This unit standard is for people who work in the plumbing industry.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – select and position a solid fuel space heater and flue; – install and commission a solid fuel space heater and flue.
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to:
- Building Act 2004;
 - Health and Safety at Work Act 2015;
 - Plumbers, Gasfitters, and Drainlayers Act 2006;
 - Plumbers, Gasfitters, and Drainlayers Regulations 2010;
 - Resource Management Act 1991;
 - Resource Management (National Environmental Standards for Air Quality) Regulations 2004.

The following standards, which are available at <http://www.standards.govt.nz>:

- AS/NZS 2918:2018 *Domestic solid fuel burning appliances – Installation*,
- NZS 3604:2011 *Timber-framed buildings*,
- AS/NZS 4013:2014 *Domestic solid fuel burning appliances – Method for determination of flue gas emission*.

The following Building Code clauses, and any related Acceptable Solution and Verification Method documents, which are available at <https://www.building.govt.nz/>:

- New Zealand Building Code Clause B1 Structure,
- New Zealand Building Code Clause B2 Durability,
- New Zealand Building Code Clause E2 External moisture,
- New Zealand Building Code Clause C2 Prevention of fire occurring.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definition

Job specifications refer to instructions (oral, written, graphic) and may include any of the following: manufacturer instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements.

3 Candidates must hold a current limited certificate trainee authorisation or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.**4 Assessment information**

All work must be completed in accordance with relevant standards and codes.

5 Range

Evidence of two installations is required.

6 Level of performance

To achieve this standard the candidate must be capable of consistently performing the requirements:

- to current and relevant legislation, standards and codes (including safety);
- in an environmentally sustainable manner;
- within an acceptable timeframe;
- in the workplace;
- in different and unfamiliar contexts.

Outcomes and performance criteria**Outcome 1**

Select and position a solid fuel space heater and flue.

Range may include but is not limited to – inbuilt, insert, freestanding, alternative application.

Performance criteria

1.1 Select the appropriate solid fuel space heater and flue in accordance with job specifications.

1.2 Position a solid fuel space heater and flue to measurements in accordance with manufacturers specifications.

Range combustion clearances, heat shields, structural integrity, weathertightness, clearances for maintenance.

Outcome 2

Install and commission a solid fuel space heater and flue.

Performance criteria

- 2.1 Install a solid fuel space heater and flue in accordance with job specifications.
- 2.2 Conduct commissioning tests in accordance with manufacturer instructions.
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Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 May 2024	N/A

Consent and Moderation Requirements (CMR) reference	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.