

Title	Position, install, and maintain solid fuel space heaters and flues		
Level	4	Credits	2

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"> – position solid fuel space heaters and flues; – install solid fuel space heaters and flues; and – maintain solid fuel space heaters and flues.
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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Available grade	Achieved
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Guidance Information

- References**

Building Act 2004;
Health Act 1956;
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 Relating to Certain Air Pollutants, Dioxins, and Other Toxics) Regulations 2004;
The following standards, which are available at <http://www.standards.govt.nz>:
AS/NZS 2918:2001 *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 clauses, and any related compliance documents, which are available at <https://www.building.govt.nz/>
New Zealand Building Code Clause B1 structure,
New Zealand Building Code B2 Durability,
New Zealand Building Code E2 External moisture,
New Zealand Building Code C2 Prevention of fire occurring;
and all subsequent amendments and replacements.
- This unit standard requires the application of theory as included in the Plumbers, Gasfitters, and Drainlayers Regulations 2010.
- Credit for this unit standard does not entitle the candidate to legally perform certain electrical aspects of this work unless registered or supervised by a registered person under the provisions of the Electricity Act 1992.

- 4 **Range**
Evidence of two installations is required, covering different types of solid fuel space heaters.
- 5 **Definitions**
Job specifications – 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. Where job specifications are in conflict with applicable legislation, standards, and/or codes, such legislation, standards, and/or codes shall take precedence for the purpose of assessment.
Maintain may refer to all or any of – repair, upgrade, alter, remove.
Other services – any existing installed services.
- 6 All practical activities must be carried out in a way that avoids harm to people and damage to property, environment, other services, materials, tools, and equipment.
- 7 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

Outcomes and performance criteria

Outcome 1

Position solid fuel space heaters and flues.

Range inbuilt, insert, freestanding, alternative application.

Performance criteria

- 1.1 Position solid fuel space heaters and flues to measurements in accordance with job specifications and relevant standards and codes.

Range combustion clearances, heat shields, structural integrity.

Outcome 2

Install solid fuel space heaters and flues.

Performance criteria

- 2.1 Select the appropriate solid fuel space heaters and flues in accordance with job specifications and relevant standards and codes.
- 2.2 Install solid fuel space heaters and flues in accordance with job specifications and relevant standards and codes.

- 2.3 Conduct commissioning tests in accordance with manufacturer instructions and relevant standards and codes.

Range flue spillage, emission and smoke, appliance surface temperatures, integrity of installation.

Outcome 3

Maintain solid fuel space heaters and flues.

Performance criteria

- 3.1 Identify faults in terms of causes and means of rectification.
- 3.2 Rectify faults in accordance with maintenance requirements and job specifications.

Replacement information	This unit standard and unit standard 30607 replaced unit standard 2153.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2017	31 December 2028
Review	2	30 May 2024	31 December 2028

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>.