

Australian/New Zealand Standard™

**Domestic solid fuel burning
appliances—Installation**

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AS/NZS 2918:2018

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-062, Solid Fuel Burning Appliances. It was approved on behalf of the Council of Standards Australia on 13 June 2018 and by the New Zealand Standards Approval Board on 6 June 2018.

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The following are represented on Committee CS-062:

Adelaide Heating Technology (Testing Interests Australia)
Applied Research Services (Testing Interests New Zealand)
Australasian Fire and Emergency Service Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Home Heating Association
Australian Industry Group
Australian Solid Fuel Testing (Testing Interests Australia)
Bioenergy Association of New Zealand
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Australian/New Zealand Standard™

Domestic solid fuel burning appliances—Installation

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-062, Solid Fuel Burning Appliances, to supersede AS/NZS 2918:2001.

The objective of this Standard is to provide manufacturers, installers and consumers with means for determining the requirements (including clearances from heat-sensitive materials) for the correct and safe installation of domestic solid fuel (wood) burning heating appliances and their associated floor protectors and flue systems. This revision includes the following:

- (a) Changes to the minimum clearance requirement for heat shields for an untested installation and new figures changes to the requirement for heat shields for a tested appliance (see Clause 3.2).
- (b) Changes to the minimum clearance requirement and minimum thickness for continuous heat-tolerant material for an untested floor protector installation (see Clause 3.3.3).
- (c) Major revision to built-in appliance installation, including the addition of several new figures (see Clause 3.4.2).
- (d) Change to stainless steel or Monel fasteners usage requirement to secure enamelled and stainless steel sections.
- (e) Major changes to flues penetrating ceilings floors and walls including the addition of new diagrams displaying requirements for untested flue penetration (see Clause 4.6).
- (f) Changes to the minimum horizontal radius to nearby structures (Clause 4.9.1).
- (g) The addition of new text in Appendix B, Paragraph B8, which describes the requirements for testing water heating devices fitted to appliances.
- (h) The addition of several new diagrams in Appendix F, Paragraphs F7 and F8, which display thermocouple placement requirements for testing.
- (i) Inclusion of a number of minor changes and additions to clarify and support the requirements and specificities of this Standard.

The installation requirements for untested appliances and flue systems apply from the date of publication of this Standard.

Statements expressed in mandatory terms in Tables are deemed to be requirements of this Standard. In this Standard, Notes are for information and guidance only.

The term 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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Domestic solid fuel burning appliances—Installation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the installation of domestic solid fuel burning appliances that can be fully assembled prior to being transported to the installation site. It does not cover the installation of appliances that need to be assembled in situ, or appliances with electrically driven fuel stoker systems.

NOTE: The requirements for the measurements of performance of solid fuel burning appliances in terms of heat output, efficiency and emissions are not covered in this Standard (see AS/NZS 4012 and AS/NZS 4013 for these topics).

This Standard applies to the installation of domestic solid fuel burning appliances, whether installed in domestic or commercial situations, including the following categories:

- (a) Space heaters, including open fronted fireplace inserts and built-in fireplaces.
- (b) Cooking appliances.
- (c) Open-vented water-heating appliances.
- (d) Central-heating appliances.
- (e) Any combination of two or more of the appliance categories shown in Items (a) to (d) above.

NOTE: The installation of second-hand appliances as well as being in accordance with the requirements of this Standard may be subject to additional State or regional requirements.

1.2 EXCLUSIONS

This Standard does not apply to the following:

- (a) Warm air distribution ducting systems beyond the primary wall, floor or ceiling penetration.
- (b) Appliances with flue outlets greater than 100 000 mm².
- (c) The long-term durability of materials.
- (d) The durability of building materials in the vicinity of any appliance installation.

1.3 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS/NZS	
1530	Methods for fire tests on building materials, components and structures
1530.3	Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release
3000	Electrical installations (known as the Australian/New Zealand Wiring Rules)
3100	Approval and test specification—General requirements for electrical equipment