

Australian/New Zealand Standard™

**Domestic solid fuel burning appliance—
Pellet heaters—Determination of flue
gas emission**



AS/NZS 4886:2007

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 19 January 2007 and on behalf of the Council of Standards New Zealand on 26 January 2007.

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The following are represented on Committee CS-062:

Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Home Heating Association
Australian Industry Group
Australian Institute of Building Surveyors
Australian Lung Foundation
Clean Air Society of Australia and New Zealand
Consumer Federation of Australia
Department of Environment and Conservation—NSW
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-062, Solid Fuel Burning Appliances.

The Standard sets out comprehensive specifications and instructions to enable the method to be used by any interested organization having the appropriate test equipment.

Results of testing to the method described are intended for use by consumers when selecting a domestic solid fuel burning appliance and regulatory bodies when setting allowable emission limits for domestic solid fuel burning appliances.

Particulate emissions are a good indicator of total emissions from solid fuel burning appliances. This Standard measures particulate emissions and uses them to provide limits on total emissions.

The terms '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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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies a test method for determining the rate of particulate emission from automatic continuous feed, domestic pellet burning appliances and the associated particulate emission acceptance criteria.

1.2 APPLICATION**1.2.1 General**

This Standard applies to domestic pellet fuel burning appliances.

1.2.2 Included appliances

Appliances within the scope of this Standard include—

- (a) space-heating appliances; and
- (b) space-heating appliances which include water-heating devices.

1.2.3 Excluded appliances

Appliances excluded from this Standard are—

- (a) site-built masonry appliances;
- (b) central heating appliances;
- (c) cooking appliances;
- (d) appliances intended solely for water heating; and
- (e) appliances intended solely to distribute convective heat via ducting to locations remote from the appliance.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

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| 46/4 | Domestic solid fuel burning appliances—Test fuels (series) |
| 56/7 | Domestic solid fuel burning appliances—Pellet heaters—Determination of Installation requirements and construction components |
| 5078 | Domestic solid fuel burning appliances—Pellet heaters—Method for determination of power output and efficiency |