

Australian Standard™

Twin wall metal flues—Gas appliances

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Australian Liquefied Petroleum Gas Association
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OF

AS 4567—2005

Twin wall metal flues—Gas appliances

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NOTES

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PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-006, Gas Installation Committee, to supersede AG 605—1987, *Approval Requirements For Twin Wall Metal Flues*. The Standard is republished without technical alterations.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of twin wall metal flues.

This Standard should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to—

- (a) continuity of satisfactory operation;
- (b) the prevention of fire hazards, and explosions;
- (c) the prevention of injury to persons or property;
- (d) gas rules and regulations now in force; and
- (e) relevant International Standards.

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 the Standard, whereas an 'informative' appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA

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SECTION 1 GENERAL

1.1 SCOPE

These requirements cover twin wall flue and components, excluding flue cowls (refer AS 4566), used for flueing gas appliances with a maximum flue gas temperature of 270°C.

Flue approved in accordance with these requirements is not suitable for installation where it is inaccessible and subject to continuous condensation.

1.2 CLASSIFICATION

Twin wall flues shall be classified according to type as follows:

- (a) Type 1 Rectangular twin wall flues designed for installation within standard wall cavities of 75 mm nominal width and for appliances with a gas consumption not exceeding 50 MJ/h.
- (b) Type 2 Twin wall flues designed for installation within standard wall cavities of 95 mm nominal width and for appliances with a gas consumption not exceeding 50 MJ/h.
- (c) Type 3 Other twin wall flues not exceeding 300 mm nominal diameter or equivalent.

1.3 DEFINITIONS

For the purpose of this Standard, the following definitions apply:

1.3.1 Approved

Acceptable to, and meeting the prescribed standards of, the authority having jurisdiction.

1.3.2 Authority

The authority having jurisdiction or such authority as delegated. (Technical regulator).

1.3.3 Base plate

A device used to support the weight of the appliance and to locate it.

1.3.4 Certified

Assessed by a certifying body and having a certificate number to demonstrate compliance with a Standard.

1.3.5 Certifying body

A body acceptable to the technical regulator that provides assurance of compliance of appliances and components with nominated Standards and other accepted safety criteria.

1.3.6 Draught diverter

A device, without moving parts, fitted in the flue of an appliance for isolating the combustion system from the effects of pressure changes in the secondary flue.