

AS 5601—2004

Australian Standard®

GAS INSTALLATIONS



STANDARDS
AUSTRALIA

Gas Installations

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Australian Liquefied Petroleum Gas Association
Energy Networks Association
Gas Appliance Manufacturers Association of Australia
Gas Technical Regulators Committee

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Australian Standard™

Gas installations

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PREFACE

This Standard was prepared by the Standards Australia Committee AG-006, Gas Installation to supersede AS 5601—2002 (AG 601—2002). It is a revision of the 2002 edition and incorporates both technical and editorial amendments.

The intention of this Standard is to provide essential requirements and deemed to comply solutions and to promote uniform standards of gas installation.

This Standard is not to be regarded as a design specification or an instruction manual for untrained persons.

This Standard has no legal standing in its own right, but may acquire legal standing in either of the following circumstances:

- (a) Where adopted by a Government or other authority having jurisdiction over relevant installations.
- (b) Where adopted as part of an installation specification.

Regulatory bodies (technical regulators) may adopt this Standard. The Standard accommodates some variation of requirements among the regulatory jurisdictions. Such variations are identified in the page margin adjacent to the particular Clause. Appendix L sets out the detail of these variations or additions under the appropriate Clause number.

Where the Standard has acquired legal standing, its requirements are mandatory (variations/exceptions being indicated as described above). Matters of an advisory or explanatory nature are indicated in the following manners—

- (i) the word NOTE(S) followed by a statement(s);
- (ii) by the inclusion of them in an informative appendix.

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.

Terms or words that are indicated by italics in the body of the text are defined terms or words. This does not apply to any italics used in the Preface or headings or figures. Section 1 contains the definitions of such terms or words as they apply to the Standard.

In this edition a number of technical changes have been made and include, amongst others, the following—

- (A) the materials approved for use with the inclusion of composite pipe and fittings;
- (B) clearances for flue terminals;
- (C) a number of installation requirements for specific appliances; and
- (D) the inclusion of supply pressure in the pipe sizing tables.

Clause renumbering has been carried out as necessary.

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STANDARDS AUSTRALIA

Australian Standard
Gas installations

SECTION 1 SCOPE, APPLICATION AND DEFINITIONS

1.1 SCOPE

This Standard sets out requirements for *consumer piping*, flueing, ventilation and *appliance* installations which are associated with the use or intended use of fuel gases such as *town gas*, *natural gas*, *liquefied petroleum gas* in the vapour phase, *tempered liquefied petroleum gas*, *simulated natural gas* or any similar substance.

The requirements cover piping systems from the outlet of—

- (a) the *consumer billing meter* installation; or
- (b) the first *regulator* on a fixed *gas installation* where an *LP Gas* container is installed on the same site; or
- (c) the first *regulator* on site (if no *meter* is installed) where *LP Gas* is reticulated from storage off the site;

to the inlet of the *appliance*.

This Standard does not apply to portable or *mobile appliances* connected directly, or by *hose assembly*, to an *LP Gas cylinder*.

Requirements for installations for *caravans* and marine craft including location of storage *cylinders*, piping systems and *appliances* are also provided in this Standard.

NOTES:

- 1 The location of *consumer billing meters* is determined by the *network operator*; however, some guidelines for the locating of these *meters* are detailed in Appendix A.
- 2 The terms pipe, piping, tube and tubing are used throughout this Standard. They are to be considered to have the same meaning.

Unless specifically covered in this Standard, where *consumer piping* is to operate at a *pressure* exceeding 200 kPa, consult with the *technical regulator*.

Appliances provided for in this Standard include those *certified* by a *certifying body* and those otherwise acceptable to the *technical regulator*.

The *appliance* installation requirements cover location, ventilation, combustion air, flueing and commissioning of the *appliance*.

1.2 APPLICATION OF THIS STANDARD

The requirements of this Standard are to be used in conjunction with, but do not take precedence over, any statutory regulations which may apply in any area. The *technical regulator* may determine the extent of application of this Standard.

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