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AG 601 — 2000

Australian Standard™

# Gas installations



Standards Australia



The Australian  
Gas Association

# **Gas installations**

This Standard was prepared by the Gas Installation Standards Committee (AG/6) of The Australian Gas Association. As an accredited Standards Development Organisation, The Australian Gas Association develops and publishes Australian Standards. The Standard was approved on behalf of the Gas Technical Standards Council on 2 February 2000, and published in February 2000.

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The following interests are represented on AG/6:

ACA (Australian Consumer Association)  
AGA (The Australian Gas Association)  
ALPGA (Australian Liquefied Petroleum Gas Association Ltd)  
GAEC (Gas Appliance and Equipment Committee)  
GAMAA (Gas Appliance Manufacturers Association of Australia)  
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## **Gas installations**

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## PREFACE

This Standard has been prepared by the Gas Installation Standards Committee (AG/6). The Committee is an AGA Technical Standards Committee. It was re-constituted in 1998 from a Committee initially set up jointly by The Australian Gas Association (AGA) and the Australian Liquefied Petroleum Gas Association Ltd (ALPGA).

The Standard will be subject to regular review by the Committee that will meet at least annually. The Committee will accept requests for interpretations. Suggestions for improvements and requests for interpretations should be sent to:

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The intention of this Standard is to provide essential requirements and basic standards for adoption by the Australian gas industry and to promote uniform standards of gas installation.

This Standard is not to be regarded as being either 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 installation specification.

An Authority is able to adopt this Standard subject to the variation of some provisions or the addition of extra provisions, to apply in its area of control. These variations or additions are identified in the page margin adjacent to the particular Clause. Appendix L sets out the nature of these variations or additions under the appropriate Clause number.

Where the Standard has acquired legal standing, all requirements, with particular exceptions, are mandatory. Matters of an advisory or explanatory nature are indicated in the following manner:

- the word NOTE(S) followed by a statement(s);
- 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 text are defined terms or words. Section 1 contains the definitions of such terms or words as they apply to the Standard. Defined terms or words are not indicated by italics in headings, tables, figures or notes.

This Standard is a revision of the 1998 edition and incorporates both technical and editorial amendments. This edition exhibits a degree of “structural change”. In the main, this is to do with a portion of Section 6 (LP Gas systems) being re-located into Appendix J (LP Gas cylinder locations).

Technical changes are identified with one or two stars in the left-hand margin of the page. A single star indicates an amendment to an existing Clause, whilst two stars indicates a new Clause. The following examples show how the markings are used:

\* **Clause number** **Clause title**

\* \* **Clause number** **Clause title**

The same markings are used, as appropriate, in tables and figures.

Editorial changes have not been identified, as their purpose has been to improve readability of the Standard and they do not impact on technical requirements.

Clause renumbering has been carried out as necessary although it has not been identified either.

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### SCOPE, APPLICATION AND DEFINITIONS

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## 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
- (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* (such as barbecues) which are designed for external use only and are connected directly, or by *hose assembly*, to a *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 appropriate Authority having jurisdiction; 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 *Authority*.

*Appliances* provided for in this Standard include those *approved* under an Australian Gas Association scheme (ie. 'general approval' and 'individual approval' (Second Tier), and those otherwise acceptable to the *Authority*.

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 appropriate *Authority* may determine the extent of application of this Standard.

Where no requirement is given, good practice is to apply. In any matter of uncertainty the appropriate *Authority* is to be consulted.

This Standard applies to installations commenced after its publication date. It shall not apply to existing installations.

NOTE: "Commenced", for the purpose of this Clause, means the point at which site or equipment construction has begun.