

# Australian/New Zealand Standard™

## Gas installations

### Part 2: LP Gas installations in caravans and boats for non-propulsive purposes



## **AS/NZS 5601.2:2010**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee AG-006, Gas Installations. It was approved on behalf of the Council of Standards Australia on 17 November 2010 and on behalf of the Council of Standards New Zealand on 10 December 2010.

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The following are represented on Committee AG-006:

Association of Accredited Certification Bodies  
Australian Gas Association  
Construction, Forestry, Mining and Energy Union  
Consumers Federation of Australia  
Department of Mines and Energy, Queensland  
Energy Networks Association  
Gas Appliance Manufacturers Association of Australia  
Gas Association of New Zealand  
Gas Technical Regulators Committee  
Gas Utilisation Institute  
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## PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee AG-006, Gas Installations, to supersede NZS 5428—2006, *LPG installations for non-propulsive purposes in caravans and boats* and those parts of AS 5601—2004 and NZS 5261—2004 affecting caravans, catering vehicles and boats. This amalgamated Standard incorporates both technical and editorial amendments. General gas installation requirements for other than caravans and boats can be found in AS/NZS 5601.1.

*This Standard incorporates Amendment No. 1 (August 2011). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

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.

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 inclusion in an informative appendix.

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 this Standard.

All the Australian and New Zealand Technical Regulators agree that this Standard should provide for particular appliances and components to be certified. It was also agreed that this Standard include a statement that this requirement would not apply retrospectively.

Section 2 of this Standard details the various aspects of a gas installation that contribute to its safety, stating performance criteria for compliance with legislative requirements for safety of gas installations. Sections 3 to 9 provide more detailed information as a means of compliance with the performance criteria.

The means of compliance in Section 3 to 9 are not the only means of compliance with the performance criteria in Section 2.

The terms 'pipe', 'piping', 'tube' and 'tubing' are used throughout this Standard. They are to be considered to have the same meaning.

Where the term 'installation' is used, it is deemed to include the appliances, flues, ventilation and other ancillary items.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard. Notes elsewhere are for information and guidance only.

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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Part 2: LP Gas installations in caravans and boats for non-propulsive purposes

S E C T I O N 1 S C O P E A N D G E N E R A L

**1.1 SCOPE AND APPLICATION**

This Standard contains the mandatory requirements and means of compliance for the design, installation and commissioning of *LP Gas installations* in *caravans* and *boats* for non-propulsive purposes. It is based on the general installation requirements of AS/NZS 5601.1:2010, *Gas installations—General installations*. The terms ‘*caravan*’ and ‘*boat*’ are used to include various types of vehicle or marine craft. The user of this Standard is expected to be familiar with the properties and characteristics of *LP Gas* and the principles of combustion, ventilation and flueing applicable to the safe installation and operation of gas *appliances*.

The requirements cover—

- (a) *caravans*;
- (b) mobile holiday homes, campervans and motor homes;
- (c) trucks and trailers incorporating fixed *gas installations*;
- (d) *boats*;
- (e) houseboats;
- (f) floating restaurants, whether fixed or mobile; and
- (g) catering vehicles, whether self-propelled or towed.

NOTE: Where commercial catering equipment is to be installed, refer to AS/NZS 5601.1.

Where the term ‘installation’ is used it is deemed to include the pipework, *appliances*, *flues*, air ducts and other ancillary items.

Section 2 of this Standard contains the mandatory performance criteria requirements for the design, installation, and commissioning of *gas installations*, except where certain matters are specifically prohibited as inappropriate for reliably meeting these requirements. It includes, in Clauses 2.9.1 and 2.10.1, some specific prohibitions, as the performance requirements cannot be reliably met if those prohibitions are breached.

Sections 3 to 9 of this Standard contain a means of compliance for installations designed to operate with a gas supply *pressure* not exceeding 3 kPa. In Australia, approval for any variation to the requirements of Sections 3 to 9 or the normative appendices may need to be obtained from the appropriate *Technical Regulator*.

In New Zealand, the *Technical Regulator* does not provide approvals for variations to the means of compliance in Sections 3 to 9. References to approval by the *Technical Regulator* are not applicable to New Zealand. The installation certifier is responsible for ensuring that the installation, including any variations, meets the requirements in Section 2.