

AS/NZS 5601.2:2020
(Incorporating Amendment No. 1)



Australian/New Zealand Standard™

Gas installations

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



AS/NZS 5601.2:2020

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The following are represented on Committee AG-006:

- Access Canberra
- Association of Accredited Certification Bodies
- Association of Hydraulic Services Consultants Australia
- Australian Building Codes Board
- Australian Gas Association
- Caravan Industry Association of Australia
- Department of Natural Resources, Mines and Energy, Qld
- Energy Networks Australia
- Energy Safe Victoria
- Gas Appliance Manufacturers Association of Australia
- Gas Energy Australia
- Gas Technical Regulators Committee
- Gas Utilisation Institute, New Zealand
- LPG Association of New Zealand
- Master Plumbers and Mechanical Services Association of Australia
- Master Plumbers, Gasfitters and Drainlayers New Zealand
- Victorian Building Authority
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 5601.2:2020.

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Preface

This Standard was prepared by the Standards Australia/Standards New Zealand Committee AG-006, Gas Installations, to supersede AS/NZS 5601.2:2013.

A1 This Standard incorporates Amendment No. 1 (February 2021). The start and end of changes introduced by the Amendment are indicated in the text by tags including the amendment number 1. **A1**

If a Standard is referenced in legislation, the legislative instrument or regulation specifies when the Standard or Amendment comes into effect. Regulatory Authorities have indicated 12 months, following the date of publication, as an appropriate transition period for [Clauses 1.3.59, 2.3.1, 5.2.8, 5.2.9](#), and [Table 5.1.4.3](#), with respect to the cylinder quick-connect device.

General gas installation requirements for applications other than caravans and boats can be found in AS/NZS 5601.1, *Gas installations, Part 1: General installations*.

The objective of this Standard is to provide essential requirements and deemed-to-conform solutions to promote uniform standards of gas installation, and to provide a stand-alone Standard for LP Gas installations in caravans and boats for non-propulsive purposes.

This Standard is based on the general installation requirements of AS/NZS 5601.1.

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” followed by a statement(s).
- (ii) By inclusion in an informative appendix.
- (iii) By inclusion in examples or caution statements.

Words that are indicated by italics in the body of the text are terms defined in [Clause 1.3](#). This indication of italics does not apply to the text in the Preface, headings or figures. [Section 1](#) contains the definitions of such terms as they apply to this Standard.

This Standard includes a statement that its requirements do 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 on conformance to the performance criteria.

The means of conformance in [Sections 3](#) to [9](#) are not the only means of conformance to the performance criteria in [Section 2](#).

Major changes from AS/NZS 5601.2:2013 include the following:

- (A) The terms “pipe”, “piping”, “tube” and “tubing” are used throughout this Standard. They are to be considered to have the same meaning.

- (B) Where the term “installation” is used, it is deemed to include the appliances, flues, ventilation, piping, components and other ancillary items.
- (C) Introduction of definitions for “controlled area”, “domestic caravan”, “encapsulated”, “ignition source”, “non-sparking by nature”, “quick-connect device (cylinder)” and “toughened safety glass”.
- (D) Prohibition of *in situ* fill cylinders on caravans, see [Clause 2.4.5](#) and [Clause 3.1.5.1](#).
- (E) Introduction of requirement for orientation of cylinders on caravan drawbars to allow for unobstructed relief of cylinder pressure, see [Clause 3.1.4](#).
- (F) Figures showing “controlled area” and clearances on caravan drawbars for ignition sources, see [Clause 3.1.8](#).
- (G) A figure showing venting through a drain outlet from a cylinder compartment in a caravan, see [Figure 3.3.1\(B\)](#).
- (H) Introduction of the requirement for shut-off solenoid valves to be “encapsulated” in LP Gas cylinder compartments, see [Clauses 3.3.1\(g\)](#) and [3.3.3\(i\)](#).
- (I) Clarification of access to internal cylinder compartments in caravans, see [Clause 3.3.4.1](#).
- (J) Allowance of hard drawn copper for use on houseboats on inland waterways on the low pressure side of the gas installation, see [Clause 5.1.4.2](#).
- (K) Limitations of hose assembly pigtails to only be class F, see [Clause 5.1.4.3](#).
- (L) Prohibition on the use of press-fit connections, see [Clause 5.1.4.4\(g\)](#).
- (M) Introduction of requirements for “encapsulated” electrical devices, see [Clause 5.3](#).
- (N) Introduction of increased requirements for new installations of distance between cookers and rangehoods, see [Clause 6.11.1](#).
- (O) Introduction of requirement of carbon monoxide detectors in boats to conform with referenced internationally recognized Standards, see [Clause 7.5](#).
- (P) Additional requirements for thermal protection of combustible surfaces, see [Appendix B](#).
- (Q) New pipe sizing tables allowing for more flow capacity, see [Appendix C](#).
- (R) Additional requirements for gas leakage tests for appliances with interlocks, see [Clause E.3.2\(b\)](#).
- (S) Introduction new appendix on purging, see [Appendix L](#).
- (T) The inclusion of references to a cylinder quick-connect device.

The terms “normative” and “informative” have been used in Standards 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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