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AS/NZS 1596:2014
(Incorporating Amendment Nos 1 and 2)

AS/NZS 1596:2014

Australian/New Zealand Standard™

The storage and handling of LP Gas



AS/NZS 1596:2014

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-015, Storage and Handling—Liquefied Petroleum Gases. It was approved on behalf of the Council of Standards Australia on 14 April 2014 and on behalf of the Standards Council of New Zealand on 27 March 2014. This Standard was published on 19 May 2014.

The following are represented on Committee ME-015:

Australasian Fire and Emergency Service Authorities Council
Department of Agriculture, Fisheries and Forestry, Qld
Department of Mines and Petroleum, WA
Department of the Premier and Cabinet, SA
Energy Safety, WA
Engineers Australia
Environmental Protection Authority, New Zealand
Fire Protection Association Australia
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Gas Energy Australia
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This Standard was issued in draft form for comment as DR AS/NZS 1596.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-015, Storage and Handling—Liquefied Petroleum Gases, to supersede AS/NZS 1596:2008, *The storage and handling of LP Gas*.

A2 | 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 6 months, following the date of publication, as an appropriate transition period for this Amendment.

The changes in this amendment introduce a Type 27 outlet to replace the Type 21 (POL) outlet for cylinders less than 25 litres water capacity as new cylinders are introduced or existing cylinders are retested. The Type 27 outlet includes additional safety features including a right-hand thread, no gas flow possible until a mating fitting is connected and a thermal fuse which shuts of the gas flow in a fire.

This Standard incorporates Amendment No. 1 (August 2017) and Amendment No. 2 (October 2020). 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.

This edition is the result of a comprehensive review of the 2008 edition, in order to update procedures in light of industry best practice, and correct and update references.

A1 | Appendix Q, ‘Impact protection’, for assessing the requirements for the protection of tanks and cylinders from impact, has been changed from informative to normative (in Australia only), with some modifications, by Amendment No. 1:2017.

A new informative Appendix, ‘Transport of portable LP Gas cylinders for trade use’, covering the transport of cylinders for trade use, has been included. This has drawn heavily on safety notes and bulletins produced by various government bodies following an increase in safety incidents in this area. Addressing additional safety concerns regarding the hazardous nature of working in underground pits, a number of changes have been made in this area.

Appendix K has been reviewed to bring the emergency planning aspects of the Standard in line with current emergency services terminology and practice.

A1 | A new informative Appendix R, ‘Odour management’ has been introduced to provide guidance for the management of odour in LP Gas through the supply chain to reduce the risk of odour fade.

A significant number of minor changes have been made to align the Standard with New Zealand regulatory practice and it is envisaged that the Standard may be called up in legislation in New Zealand in the future.

This Standard has been revised in terms of safety and technical matters. The regulatory authorities in each state and territory determine how and when Standards are to be applied. The method of application may be full, part, with or without modifications or not at all. This application is not directed by the Standard. The relevant regulatory authority should be consulted regarding the application of this Standard.

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.

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

Where Australian and New Zealand references are separated by the word ‘or’, a slash (/) or parentheses, Australian references apply in Australia, and New Zealand references apply in New Zealand. Joint Standards apply in both Australia and New Zealand.

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