

AS/NZS 2658:2022



Australian/New Zealand Standard™

# LP Gas — Portable and mobile appliances

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- Association of Accredited Certification Bodies
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- Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
- Consumer Electronics Suppliers Association
- Department of Mines, Industry Regulation and Safety — Building and Energy WA
- Energy Networks Australia
- Gas Appliance Manufacturers Association of Australia
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- Gas Energy Australia
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- Gas Utilisation Institute, New Zealand
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# LP Gas — Portable and mobile appliances

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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AG-001, Gas appliances to supersede AS 2658—2008, *LP Gas—Portable and mobile appliances*.

The objective of this document is to provide uniform minimum requirements for the safe design and performance of LP Gas portable and mobile appliances supplied with gas at vapour pressure.

This document should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to —

- (a) continuity of satisfactory operation of appliances and equipment;
- (b) the prevention of fire hazards, and explosions;
- (c) the prevention of injury to persons or property;
- (d) gas rules and regulations now in force; and
- (e) relevant International Standards.

The major changes

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- (i) A general alignment of general structure with AS/NZS 5263.0.
- (ii) A clarification of the scope and requirements to ensure appliances under this document are not to be installed.
- (iii) Requirements for butane cookers modified to address risks of overheating of cartridges.
- (iv) Requirements for heaters included to address risks related to use in tents and enclosed spaces.
- (v) Requirements for water heaters updated to clarify usage.

The terms “normative” and “informative” are used in Standards to define the application of the appendices 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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NOTES

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# Australian/New Zealand Standard

## LP Gas — Portable and mobile appliances

### Section 1 Scope and general

#### 1.1 Scope and application

##### 1.1.1 Scope

This document specifies the general requirements and test methods for portable and mobile appliances which use vaporized LP Gas as a fuel. The gas pressure at the injector orifice may be regulated or at vapour pressure.

This document applies where LP Gas is supplied to the appliance —

- (a) from a separate non-refillable gas container, conforming to EN 417, UL 147A/B, DOT 39 LP (up to 2 L water capacity) or equivalent, at the vapour pressure to the inlet of the appliance;
- (b) ~~from a separate gas container, conforming to AS 2030.1 (or equivalent), connected directly or~~  
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- (c) from an integral gas supply with gas storage in excess of 50 mL water capacity.

Additional specific requirements are specified for the following appliances types:

- (i) Cooking appliances (hotplates, ovens, grills, barbecues).
- (ii) Small radiant heating appliances (heaters) designed for outdoor use.
- (iii) Gas lights designed for outdoor use.
- (iv) Portable water heaters designed for outdoor use.
- (v) Hand-held heating tools.

This document excludes the following:

- (A) Appliances intended for connections to a flue for the discharge of combustion products.
- (B) Appliances intended for connection to fixed piping systems for gas and/or water supply.
- (C) Appliances having an integral gas supply of 50 mL or less water capacity.  
NOTE 1 These appliances are subject to statutory requirements.
- (D) Gas refrigerators.
- (E) Appliances intended for connections to mains electrical supply.
- (F) Appliances incorporating an enclosed cartridge and are intended for commercial use.
- (G) Appliances using fan assisted combustion systems.

NOTE 2 Requirements for storage and handling of LP Gas indoors and outdoors are specified in AS/NZS 1596.

NOTE 3 Requirements for gas cylinders are specified in AS 2030 (series).

NOTE 4 Requirements for installed cooking appliances designed to operate with regulated inlet pressure are specified in AS/NZS 5263.1.1.

NOTE 5 Requirements for installed water heaters designed to operate with regulated inlet pressure are specified in AS/NZS 5263.1.2.