

AS 2658 – 2003

Australian Standard

**LP Gas —Portable and mobile  
appliances**

This Standard was prepared under the direction of AG/1, the Gas Appliance Standards Committee of The Australian Gas Association by Working Group 10 (WG/10) and subsequently endorsed by AG/1. 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 26 June 2003, and published in June 2003.

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The following interests are represented on AG/1:

**ACA (Australian Consumer Association)**

**AGA (The Australian Gas Association)**

**ALPGA (Australian Liquefied Petroleum Gas Association Ltd)**

**Appliance & Component Testing Bodies**

**GAMAA (Gas Appliance Manufacturers Association of Australia)**

**Gas Distributors**

**Gas Retailers**

**GTRC (Gas Technical Regulators Committee)**

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**AGA (The Australian Gas Association)**

**GAMAA (Gas Appliance Manufacturers Association of Australia)**

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AS 2658 – 2003

## Australian Standard

# LP Gas —Portable and mobile appliances

Originated as AG 113, 1978  
First edition as Australian Standard AS 2658, 1983  
Second edition as Australian Standard AS 2658, 1988  
This edition AS 2658, 2003

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## FOREWORD

This Standard is concurrent with AS 2658 - 1988 *Liquefied Petroleum (LP) Gas - Portable and Mobile Appliances*. The 1988 edition will remain current until the committee has completed its review of the following sections at which time the 1988 edition will be withdrawn.

- Requirements related to appliances supplied by an integral gas cartridge
- Requirements related to maximum gas consumption, integral gas storage capacity and supply pressure to the inlet of the appliance
- Section 7 Hand held eating tools
- Section 8 Preparation for testing, in particular gas test pressures

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

In the writing of this standard the committee considered relevant content from UL (Underwriters Laboratories Inc), JIS (Japan Industrial Standards), KIS (Korean Industrial Standards), ANSI (American National Standards Institute), EN (CEN – European Committee for Standardisation) standards.

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

In its preparation, consideration has been given to:

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

The Australian Gas Association does not accept responsibility for any inadequacies in this Standard. This Standard sets out acceptable Standards for type testing of the appliance itself, and does not in any way remove the responsibility from any installation, commissioning or maintenance personnel for ensuring that the appliance remains in a safe condition after installation or maintenance work has been carried out.

Matters relating to quality assurance systems, production testing and certificates of conformity, including those for auxiliary devices are not dealt with in this Standard.

Matters of an advisory nature are indicated by the word 'NOTE' followed by a statement.

The Definitions section contains the definitions of terms or words as they apply to this Standard.

This Standard has no legal authority in its own right, but may acquire legal standing in one or more of the following circumstances:

- adoption by a government or other authority having jurisdiction over relevant appliances; adoption by a purchaser as the required standard when placing a contract for relevant appliances; or
- adoption where a contractor states that an appliance is in accordance with the Standard.

**Chief Executive The Australian Gas Association, June 2003**

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## SECTION 1 SCOPE AND GENERAL

### 1.1 SCOPE

This Standard applies to various types of portable appliances not exceeding 12 MJ/h (250 g/h):

- (a) supplied from a separate gas container with vapourised LP Gas to the inlet at the vapour pressure within the gas container (vapour pressure appliance), and designed to be used:
  - (i) with cartridges complying with EN 417, UL147A/B (or equivalent), or
  - (ii) for connection directly or by flexible hose assembly to an LP Gas supply cylinder complying with AS 2030.1 (or equivalent),
- (b) having an integral gas supply with gas storage in excess of 100 mL water capacity.

Types of portable appliances covered are:

- (a) cooking appliances (hotplates, ovens, grills, barbecues)
- (b) space heating appliances designed for outdoor use
- (c) lighting appliances designed for outdoor use
- (d) hand held heating tools

Appliances covered by this Standard are not designed for connection to a flue for the discharge of products of combustion.

This Standard does not cover appliances that are intended for connection to a fixed piping system in a building, caravan or boat.

#### NOTES:

- 1 Requirements for Storage and handling of LP Gas indoors and outdoors are specified in AS/NZS 1596.
- 2 Requirements for gas cylinders are specified in AS 2030.
- 3 Requirements for cooking appliances designed to operate on a pressure of 2.75 kPa or lower are specified in AS 4551 / AG 101.
- 4 Requirements for space heaters designed to operate on a pressure of 2.75 kPa or lower are specified in AS 4553 / AG 103.
- 5 Requirements for gas refrigerators are specified in AS 4555 / AG105.
- 6 Requirements for barbecues designed to operate on a pressure of 2.75 kPa or lower are specified in AS 4557 / AG 107.

### 1.2 APPLICATION

This Standard specifies the construction and safety requirements for portable and mobile appliances. It also defines performance test methods, and requirements for markings and the information to be provided in instructions.

Appliances shall comply with the requirements of Section 2, and with the requirements of the following Sections according to the nature of the appliance:

- (a) Cookers: Section 3
- (b) Heaters: Section 4
- (c) Barbecues: Section 5
- (d) Gas lights: Section 6