

Australian Standard[®]

Domestic outdoor gas barbecues



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 - AGA Certification Services
 - Appliance and Component Testing
 - Australian Liquefied Petroleum Gas Association
 - CSIRO Energy Technology
 - Committee AG-001-03
 - Consumers Federation of Australia
 - Energy Retailers Association of Australia
 - Gas Appliance Manufacturers Association of Australia
 - Gas Technical Regulators Committee
-

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Domestic outdoor gas barbecues

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PREFACE

This Standard was prepared by the Standards Australia Working Group AG-001-00-08, Barbecues, under the responsibility of Standards Australia Committee AG-001, Gas Appliances to supersede AS 4557/AG 107—2001, *Domestic outdoor gas barbecues*.

This Standard incorporates Amendment No. 1 (May 2009) and Amendment No. 2 (June 2012). 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 objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of domestic outdoor gas barbecues.

This Standard 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;
- (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 principal differences between this edition and AS 4557/AG 107—2001, are:

- (i) Appliance gas piping connection requirements.
- (ii) Device to shut off or reduce gas flow requirements.
- (iii) Requirements for dismantling, replacement and reassembly by the user.
- (iv) Provision of hose assembly.
- (v) Changes to permanent markings.
- (vi) Changes to instructions requirements.
- (vii) Changes to gas leakage requirements.
- (viii) Changes to warning labels requirements.
- (ix) Changes related to outdoor areas.

AS 5601/AG 601, *Gas Installations* provides essential requirements and basic standards for gas installations.

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 and figures are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA

Australian Standard Domestic outdoor gas barbecues

SECTION 1 SCOPE AND DEFINITIONS

1.1 SCOPE

This Standard applies to domestic outdoor gas barbecues and solid fuel-to-gas conversion kits intended for use with natural gas, town gas, tempered liquefied petroleum gas (TLP) and low pressure (2.75 kPa) liquefied petroleum gas (LPG).

NOTES:

- 1 AS 2658 covers various types of portable appliances not exceeding 12 MJ/h (250 g/h): with vaporized LP Gas to the inlet at the vapour pressure within the gas container (vapour pressure appliance), AG 403 covers radiant tube heaters.
- 2 Other statutory and regulatory requirements may be applicable to the product(s) that fall within the scope of this Standard. It is the manufacturer's, importer's or distributor's responsibility (as appropriate) to ensure that products comply with such requirements.

1.2 DEFINITIONS

1.2.1 Appliance regulator

A device fitted to an appliance to control the gas pressure or gas volume delivered to that appliance.

1.2.2 Atmospheric burner

A burner system where all the air for combustion is introduced by the inspirating effect of a gas injector and/or by the natural draught in the combustion chamber without mechanical assistance.

1.2.3 Authority

Means the authority having jurisdiction or such authority as delegated, i.e. Technical Regulator.

1.2.4 Automatic burner

A burner system that, on starting, follows a self-acting sequence that has been manually or automatically initiated, to provide gas and ignition to the burner without any intermediate manual operation.

1.2.5 Automatic ignition

The lighting of gas at a burner without a manual operation whenever gas flows from the burner.

1.2.6 Available gas (Line gas)

Readily available gas with similar characteristics to the reference test gas.

1.2.7 Barbecue

An underfired cooking appliance with either an open grid cooking top or a solid top. The food is cooked by a combination of radiant and convected heat and may be assisted by flared fat.