

Australian Standard[®]

Domestic gas cooking appliances



This Australian Standard® was prepared by Committee AG-001, Gas Appliances. It was approved on behalf of the Council of Standards Australia on 12 June 2008. This Standard was published on 30 June 2008.

The following are represented on Committee AG-001:

- Appliance and Component Testing
 - Australian Gas Association
 - Australian Greenhouse Office, Department of the Environment and Water Resources
 - Consumers' Federation of Australia
 - Energy Networks Association
 - Gas Appliance Manufacturers Association of Australia
 - Gas Association of New Zealand
 - Gas Technical Regulators Committee
 - Gas Utilisation Institute
 - LPG Australia
 - Master Plumbers, Gasfitters and Drainlayers New Zealand
 - Ministry of Economic Development (New Zealand)
 - New Zealand Employers and Manufacturers Association
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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AS 4551—2008
(Incorporating Amendment Nos 1 and 2)

Australian Standard[®]

Domestic gas cooking appliances

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PREFACE

This Standard was prepared by the Standards Australia Committee AG-001, Gas Appliances to supersede AS 4551—2000 (AG 101—2000), Domestic gas cooking appliances.

This Standard incorporates Amendment No. 1 (December 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 gas cooking appliances.

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

In its preparation, consideration has been given to—

- (a) the 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.

AS 5601 provides essential requirements and basic standards for gas installations.

The principal differences between this edition and AS 4551—2000 (AG 101—2000), are marked by a line in the margin. These differences may be a new or revised definition, Clause, Figure or Method of Test (M.O.T.).

The following have been deleted:

- (i) Definitions: AGA, ALPGA, Approved, Authority, Bypass screw, Direct fired oven, Flame blow off, Flame lift, Grill fret, Grill grid (smokeless), Indirect fired oven, Interrupter screw, Piezo electric ignition, Rotisserie, Semi-automatic ignition, Simmer gas consumption and Terminal.
- (ii) Clauses: 2.1.14, 2.3.2, 2.5.1, 2.7.4, 2.7.5, 2.7.6 (both Clauses are now incorporated into 2.10.8.3 (a) and (b)), 2.8.10, 2.11.2.7 (incorporated in Clause 2.11.3), 3.7.3 (now Clause 4.8), 5.7.4 and 5.7.6 (incorporated in Clause 2.2.5).
- (iii) Figures: 1, 2, 5 and 8 (replaced by dew plate).

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 gas cooking appliances

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

These requirements apply to domestic gas cooking appliances, including stovettes, hotplates and separate ovens intended for use with natural gas, town gas, liquefied petroleum gas and tempered liquefied petroleum gas.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

1074	Steel tubes and tubulars for ordinary service
1375	Industrial fuel-fired appliances
1432	Copper tubes for plumbing, gasfitting and drainage applications
1450	Steel tubes for mechanical purposes
1722	Pipe threads of Whitworth form
1722.1	Part 1: Sealing pipe threads
1751	Copper brazed steel tubes
1769	Welded stainless steel tubes for plumbing applications
1832	Malleable cast iron
1881:1986	Zinc Alloys—Casting ingots and castings—Quality requirements
2129	Flanges for pipes, valves and fittings
3688	Water supply—Metallic fittings and end connectors
4567	Twin wall metal flues—Gas appliances
4617	Manual shut off gas valves
4620	Thermoelectric flame safeguards
4625	Electronic flame safeguards and flame detectors
4629	Automatic shut off valves and vent valves
4646	Gas appliance standards—Definitions and calculations
5601	Gas installations
D26	Tube fittings with Dryseal American standard taper pipe and unified threads for automotive and industrial use

AS/NZS

1167	Welding and brazing-filler metals
1167.1:2005	Part 1: Filler metal for brazing and braze welding