AS 4551 – 2000
AG 101 – 2000

(Reprinted incorporating Amendment No. 3
August 2002)

Australian Standard™

Domestic gas cooking appliances

Standards Australia

The Australian
Gas Association

This Standard was prepared by the Gas Appliance Standards Committee (AG/1) of The Australian Gas Association. 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 10 May 2000, and published in May 2000.

The following interests are represented on AG/1:

ABA (Australian Barbecue Association)
ACA (Australian Consumer Association)
AGA (The Australian Gas Association)
ALPGA (Australian Liquefied Petroleum Gas Association Ltd)
Appliance & Component Testing Bodies
GAEC (Gas Appliance and Equipment Committee)
GAMAA (Gas Appliance Manufacturers Association of Australia)
Gas Distributors
Gas Retailers
GTRC (Gas Technical Regulators Committee)

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Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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PREFACE

This Standard has been prepared by the Gas Appliance Standards Committee (AG/1) of The Australian Gas Association and replaces AG 101 – 1998, *Approval Requirements for Domestic Gas Cooking Appliances*.

The Standard is intended to provide uniform minimum requirements for the safe design, performance and rational use of energy 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:

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

The contents of the Standard are subject to periodic review and suggestions for improvement are welcomed. These should be forwarded to:

Manager, Standardisation Policy and Services
The Australian Gas Association
PO Box 122 BRAESIDE VIC 3195
E-mail: standards@melbourne.gas.asn.au

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. Acceptable standards for installation are set out in AS 5601 / AG 601 - *Gas installations*.

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 Glossary of Terms 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.

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GLOSSARY OF TERMS

AGA

The Australian Gas Association.

ALPGA

Australian Liquefied Petroleum Gas Association Ltd.

Appliance flueway

A port or passage conveying flue gases within the appliance.

Appliance flueway terminal

A protective device fitted to the exit of an appliance flueway of a flueless appliance.

Appliance regulator

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

Approved

Acceptable to, and meeting the prescribed standards of, the authority having jurisdiction.

Authority

Means the authority having jurisdiction or such authority as delegated.

Automatic ignition

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

Automatic operation

The use of a sequence of operations, which once initiated, does not require any intermediate manual operation.

Automatic shut-off valve

An automatic valve used to shut off gas supply to an appliance.

Available gas (line gas)

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

Bain marie

An appliance that keeps cooked food hot, using water or air.

A wet bain marie may be either:

Open well type

Food containers are placed on a perforated metal plate. The water level in the bain marie just covers the metal plate and the appliance is operated entirely without covers.