

AS 4555 – 2002
AG 105 – 2002
(Incorporating Amendment No. 1)

Australian Standard™

Domestic gas refrigerators



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 11 April 2002, and published in April 2002.

The following interests are represented on AG/1:

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ACA (Australian Consumer Association)

AGA (The Australian Gas Association)

ALPGA (Australian Liquefied Petroleum Gas Association Ltd)

Appliance and Component Testing Bodies

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PREFACE

This Standard has been prepared by the Gas Appliance Standards Committee (AG/1) of The Australian Gas Association and updates AG 105 – 1998, *Approval Requirements for Domestic Gas Refrigerators*.

This Standard incorporates Amendment No. 1 (February 2011). 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 Standard is intended to provide uniform minimum requirements for the safe design, performance and rational use of energy of domestic gas refrigerators.

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:

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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 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
April 2002

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SECTION 1 SCOPE AND DEFINITIONS

1.1 SCOPE

These requirements apply to domestic gas refrigerators with natural draught combustion systems intended for use with natural gas, town gas, liquefied petroleum gas (LPG) and tempered liquefied petroleum gas (TLP) with gas consumptions not exceeding 50 MJ/h.

NOTE: 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 these requirements

1.2 DEFINITIONS

1.2.1 AGA

The Australian Gas Association.

1.2.2 Appliance regulator

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

1.2.3 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.

1.2.4 Authority

Means the authority having jurisdiction or such authority as delegated. (Technical Regulator).

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 Burner port

The opening in a burner through which gas or an air-gas mixture issues to be ignited and burned.

1.2.8 By-pass screw

An adjusting screw for setting the flow through a by-pass.

1.2.9 Calibration

The determination of the relationship between the measured or indicated value of a parameter and its true value.

1.2.10 Certified

Assessed by a Certifying body, and having a certificate number to demonstrate compliance with a Standard.

1.2.11 Certifying Body

A body acceptable to the Technical Regulator that provides assurance of compliance of appliances and components with nominated standards or other accepted safety criteria.