THE AUSTRALIAN GAS ASSOCIATION

Amendment No. 2
to
AS 4558 / AG 108 – 2000

Decorative gas log and other fuel effect appliances

REVISED TEXT

The 2000 edition of AS 4558 / AG 108 is amended as follows; the amendment(s) are provided as replacement pages. Replacement pages and should be inserted in the appropriate place(s) after removing the superseded pages. All replacement pages that contain revised text have been identified in the margin by a text bound and a vertical line.

SUMMARY: This Amendment comprises replacement pages due to revisions made by the AG Committee.

Amendment No. 2 published August 2002.

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2001

The pages replaced by this amendment are: Front cover (double sided), Pages 1-6; 15-16, 19-22; 27-28; 35-40; 49-56 (*additional pages 54A-54F); 105-106; 115-118(*additional pages 115A-115D); 133-134; 159-160; 2A-2H; 3A-3D; 5C-5F.

* The additional pages have been numbered from 54A – 54F with 54F as an intentionally blank page and from 115A – 115D, with 115D as an intentionally blank page. Adding pages in this manner keeps the number of replacement pages in this amendment to a minimum and they should be placed in the Standard after page 54 and 115 respectively.

NOTE: It is recommended that this page be added in the front of AS 4558 / AG 108 - 2000

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AS 4558 – 2000
AG 108 – 2000

(Reprinted incorporating Amendment No. 2
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Australian Standard™

Decorative gas log and other fuel effect 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 14 September 2000, and published in September 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)

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new additions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications, this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

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.

This Standard was issued in draft form for comment as DR 99468 CP.

AS 4558 – 2000
AG 108 – 2000

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Australian Standard™

Decorative gas log and other fuel effect appliances

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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 108 – 1994, *Approval Requirements for Domestic Decorative Gas Log Fires*.

The Standard is intended to provide uniform minimum requirements for the safe design and performance of decorative gas log and other fuel effect 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;
- 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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APPLIANCE TEST REPORT

Room sealed appliance - Type 1

An indoor appliance which is sealed from the room in which it is installed so that it directly discharges combustion products to, and takes air from, outside the building.

Room sealed appliance - Type 2

An indoor appliance which is sealed from the room in which it is installed so that it directly discharges combustion products to, and takes air for combustion from, outside the building via an appliance ventilation duct.

Safety shut-down

The action of shutting off all gas and ignition energy by means of a safety control such that restart cannot be accomplished without a full start cycle.

Safety shut-off system

An arrangement of valves and associated control systems which shuts off the supply of gas when required, by a device which senses the approach to an unsafe condition.

Safety shut-off valve

An automatic valve used to shut off gas supply to an appliance when a signal is generated indicating the approach to an unsafe condition.

Safety system

A system which causes the gas supply to be shut off before the carbon monoxide in the ambient air exceeds a specified concentration and before the oxygen in the ambient air falls below a specified concentration.

Secondary air

Air required for completion of combustion, admitted to the combustion zone after combustion with primary air has commenced.

Secondary flue

That portion of the flue system conveying flue products from the draught diverter, barometric device, fan or similar part to the flue terminal.

Secondary guard

A guard supplied integral with or separate from an appliance and intended to prevent deliberate or accidental contact with any surfaces which are at such a temperature as would cause thermal damage to body tissue. A secondary guard is for use in situations where young children or the infirm may be at risk.

Self-latching gas valve

A gas valve with a built-in safety catch, which locks automatically when the valve is turned off. A separate and distinct movement is required to unlock before the valve can be turned on.

Semi-automatic ignition

The lighting of gas at a burner using a combination of automatic and manual operations.

Simulated natural gas (SNG)

See **Gas**.