

AS 4553 – 2000  
AG 103 – 2000

(Reprinted incorporating Amendment No. 4  
August 2002)

Australian Standard™

**Gas space heating 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.

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## Gas space heating 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 103 – 1998, Approval Requirements for Gas Space Heating Appliances.

The Standard is intended to provide uniform minimum requirements for the safe design, performance and rational use of energy of gas space heating 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  
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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—2000 *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 SHEETS

## 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.

### **Appliance ventilation duct**

A duct through a building designed to bring combustion air from, and take products of combustion to, the outside air, for Type 2 room sealed appliance.

### **Approved**

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

### **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.

### **Authority**

Means the authority having jurisdiction or such authority as delegated.

### **Authority having jurisdiction**

The authority having statutory (legal) control and when there is no such statutory control the body recognised by the AGA and/or the ALPGA as such authority.

### **Automatic ignition**

The lighting of gas at a burner without a 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.