

AS 4556 – 2000
AG 106 – 2000

(Reprinted incorporating Amendment No. 2
August 2002)

Australian Standard™

Indirect gas-fired ducted air heaters



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 August 2000.

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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 106 – 1998, *Approval Requirements for Indirect Gas Fired Ducted Air Heaters*.

The Standard is intended to provide uniform minimum requirements for the safe design, performance and rational use of energy of indirect gas-fired ducted air heaters.

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 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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CHECK LIST 203

APPLIANCE TEST REPORT SHEETS

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GLOSSARY OF TERMS

AGA

The Australian Gas Association.

Air damper

An adjustable device for controlling air flow in forced or induced draught air systems.

ALPGA

Australian Liquefied Petroleum Gas Association Ltd.

Appliance flueway

A port or passage conveying flue gases within the 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 appliances.

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.

Automatic burner

A burner system which, on starting, follows a self-acting sequence that has been manually or automatically initiated, to provide gas and ignition to the burner without any intermediate manual operation.

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.