AS 4624—2005
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Australian Standard™

Combination controls for gas

STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee AG-011, Gas Components and Industrial Equipment. It was approved on behalf of the Council of Standards Australia on 27 October 2004.
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AGA Certification Services
Appliance and Component Testing
Australian Liquefied Petroleum Gas Association
Gas Appliance Manufacturers Association of Australia
Gas Appliances and Services Association
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STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 4624—2005
Combination controls for gas

RECONFIRMATION NOTICE

Technical Committee AG-013 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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NOTES

Australian Standard™

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PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 209—1998, *Approval requirements for combination controls*. The Standard is republished without technical alterations.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of combination controls for gas appliances.

This Standard should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to—

(a) continuity of satisfactory operation;

(b) the prevention of fire hazards, and explosions;

(c) the prevention of injury to persons or property;

(d) gas rules and regulations now in force; and

(e) relevant International Standards.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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SECTION 1 SCOPE, CLASSIFICATION AND DEFINITIONS

1.1 SCOPE

These requirements apply to combination controls up to 50 mm size for use on natural gas (NG), simulated natural gas (SNG), town gas (TG), tempered liquefied petroleum gas (TLP) and liquefied petroleum gas (LPG), at pressures up to 1050 kPa.

Compliance of a combination control with these requirements does not imply that it is acceptable for use without supplemental tests in its intended application.

A combination control incorporating electrical components shall comply with the requirements of the appropriate electrical authority.

Requirements for independent manual shut off valves, appliance regulators, thermostats, thermoelectric flame safeguards, igniters, automatic shut off valves and electronic flame safeguards are published in AS 4617, AS 4618, AS 4619, AS 4620, AS 4621, AG 210(to be AS 4625) and AG 214(to be AS 4629) respectively.

1.2 CLASSIFICATION

1.2.1 Regulator function classified according to type, class, and grade

1.2.1.1 *Regulator type*

The regulator type for a combination control shall be one of the following:

(a) Fixed outlet pressure regulator—A regulator having one non-adjustable nominal outlet pressure (Pn) as specified by the manufacturer.

(b) Adjustable outlet pressure regulator—A regulator on which the outlet pressure can be adjusted between minimum and maximum nominal outlet pressure Pn (min) and Pn (max) as specified by the manufacturer.

1.2.1.2 *Class*

The range of flow rates for which a regulator readjustment is not necessary, as specified by the manufacturer.

The classes shall be as listed in Table 1.1.

