



# Automatic shut off valves and vent valves



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 14 April 2005.

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  - Appliance and Component Testing
  - Energy Networks Association
  - Engineers Australia
  - Gas Appliance Manufacturers Association of Australia
  - Gas Appliances and Services Association
  - Gas Technical Regulators Committee
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- 

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee.

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Australian Standard<sup>®</sup>

## Automatic shut off valves and vent valves

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## PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 214—1998, *Approval requirements for automatic shut-off valves and vent valves*. The Standard is republished without technical alterations.

*This Standard incorporates Amendment No. 1 (March 2007) and Amendment No. 2 (December 2016). 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 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 automatic shut off valves and vent valves.

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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## STANDARDS AUSTRALIA

**Australian Standard**  
**Automatic shut off valves and vent valves**SECTION 1 SCOPE, DEFINITIONS AND  
CLASSIFICATION**1.1 SCOPE**

These requirements apply to automatic shut off valves and vent valves up to 150 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).

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

Requirements for an automatic shut off valve or vent valve incorporated in a combination control are published in AS 4624. Valves incorporated in thermoelectric flame safeguards and over-pressure and under-pressure cut off devices are published in AS 4620 and AS 4632 respectively.

Automatic valves that do not shut off completely are not covered by specific requirements except where they are incorporated as part of an appliance or system.

Automatic valves incorporating electrical components shall comply with the requirements of the appropriate electrical authority.

**1.2 DEFINITIONS****1.2.1 Authority**

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

**1.2.2 Certified**

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

**1.2.3 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.

**1.2.4 Automatic shut off valve**

An automatic valve used to shut off gas supply to an appliance when a signal is generated indicating that a dangerous condition has developed.

**1.2.5 Combination gas control**

An assembly of two or more different control functions in a single body.

**1.2.6 Flame safeguard**

A safety device that automatically cuts off the gas supply if the actuating flame is extinguished.