

Australian Standard[®]

Manual shut off gas 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 8 October 2004.

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The following are represented on Committee AG-011:

- AGA (Network Operators)
 - AGA Certification Services
 - Appliance and Component Testing
 - Australian Liquefied Petroleum Gas Association
 - Gas Appliance Manufacturers Association of Australia
 - Gas Appliances and Services Association
 - Gas Technical Regulators Committee
 - Institution of Engineers Australia
 - Major Industrial Gas Installations
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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 and through the public comment period.

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PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 201—1998, *Approval requirements for manual shut off valves*. The Standard is republished without technical alterations.

This Standard incorporates Amendment No. 1 (March 2011). 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 manual shut off 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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE, CLASSIFICATION AND DEFINITIONS	
1.1 SCOPE	4
1.2 CLASSIFICATION	4
1.3 DEFINITIONS	4
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 MATERIALS	7
2.2 CONSTRUCTION	7
2.3 DESIGN	9
2.4 MARKINGS	11
2.5 INSTRUCTIONS	11
SECTION 3 PERFORMANCE REQUIREMENTS	
3.1 GENERAL	12
3.2 LEAKAGE	12
3.3 FLOW RATE	12
3.4 OPERATING EFFORT	12
3.5 MECHANICAL STRENGTH	13
3.6 DURABILITY	13
APPENDICES	
A FIGURES A1 – A5	14
B METHODS OF TEST	19
C LIST OF REFERENCED DOCUMENTS	38

STANDARDS AUSTRALIA

Australian Standard
Manual shut off gas valves

SECTION 1 SCOPE, CLASSIFICATION AND DEFINITIONS

1.1 SCOPE

A1

These requirements apply to manual shut off valves up to 200 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 manual shut off valve with these requirements does not imply that it is acceptable for use without supplemental tests in its intended application.

Certification requirements for manual shut off valves incorporated in a combination control are published in AS 4624.

1.2 CLASSIFICATION

Manual shut off valves may be one of three types:

- (a) Type 1 Emergency or appliance isolating valves.
- (b) Type 2 General or special purpose valves.
- (c) Type 3 Emergency or isolating valves (plastic). Type 3 valves are for underground use only.

1.3 DEFINITIONS

For the purposes of this Standard, the following definitions apply:

1.3.1 Authority

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

1.3.2 Certified

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

1.3.3 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.

1.3.4 Combination gas control

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

1.3.5 Gas

A combustible fuel gas which may be one of the following: