

Australian Standard™

**Over-pressure and under-pressure  
cut off devices**

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 13 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  
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**Over-pressure and under-pressure  
cut off devices**

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## PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 211—1998, *Approval requirements for over-pressure and under-pressure cut-off devices*. 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 over-pressure and under-pressure cut off devices.

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 AND DEFINITIONS	
1.1 SCOPE .....	4
1.2 DEFINITIONS .....	4
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 MATERIALS .....	6
2.2 CONSTRUCTION.....	6
2.3 DESIGN .....	7
2.4 MARKINGS.....	9
2.5 INSTRUCTIONS .....	9
SECTION 3 PERFORMANCE REQUIREMENTS	
3.1 GENERAL .....	10
3.2 LEAKAGE .....	10
3.3 FLOW RATE .....	10
3.4 RESETTING .....	10
3.5 MECHANICAL STRENGTH .....	11
3.6 REPEATABILITY .....	11
3.7 CLOSING TIME .....	11
3.8 DURABILITY .....	11
APPENDICES	
A FIGURES A1—A6.....	12
B METHODS OF TEST.....	19
C LIST OF REFERENCED DOCUMENTS .....	34

## STANDARDS AUSTRALIA

**Australian Standard****Over-pressure and under-pressure cut off devices**

## SECTION 1 SCOPE AND DEFINITIONS

**1.1 SCOPE**

These requirements apply to over-pressure and under-pressure cut off devices 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), intended to be fitted in the gas supply downstream of the master meter or an LPG first stage pressure regulator.

These requirements cover over-pressure and under-pressure cut off devices intended for installation into a pipeline either directly or as part of a gas pressure regulator. Over-pressure cut off devices generally serve to protect equipment downstream of regulators from being pressurized beyond its rated working pressure if the regulator fails.

These requirements do not cover devices incorporating electrically operated safety shut off valves actuated by pressure switches. Requirements for these items are covered in AG 213 (to be AS 4628) and AG 214 (to be AS 4629).

Compliance with these requirements does not imply acceptability for use without supplemental tests in an intended application.

**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 Combination gas control**

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

**1.2.5 Gas**

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

**1.2.5.1 Natural gas (NG)**

A hydrocarbon gas, consisting mainly of methane.

**1.2.5.2 Simulated natural gas (SNG)**

A gas comprising a mixture of LPG and air, in the approximate proportions of 55% gas and 45% air for commercial propane.