

Australian Standard™

**Regulators for use with liquefied  
petroleum—Vapour phase**

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 19 November 2004.

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The following are represented on Committee AG-011:

AGA Certification Services  
Appliance and Component Testing  
Australian Liquefied Petroleum Gas Association  
Energy Networks Association  
Engineers Australia  
Gas Appliance Manufacturers Association of Australia  
Gas Appliances and Services Association  
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Australian Standard™

**Regulators for use with liquefied  
petroleum—Vapour pressure**

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## PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 205—1998, *Approval requirements for regulators for use with liquefied petroleum gases (vapour phase)*. 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 regulators for use with liquefied petroleum gases (vapour phase).

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****Regulators for use with liquefied petroleum—Vapour phase**

## SECTION 1 SCOPE, CLASSIFICATION AND DEFINITIONS

**1.1 SCOPE**

These requirements apply to self-acting pressure regulators, installed independently or as part of a combination control, which are used to reduce the pressure of vapour phase liquefied petroleum gases to the maximum outlet pressures specified in Clause 1.2.

Where a device is designed to combine the functions of two or more components it shall comply with the Standard for each component.

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

Requirements for gas appliance regulators are published in AS 4618.

**1.2 CLASSIFICATION**

Regulators covered by these requirements shall be classified according to intended use and shall have the pressure ranges as indicated in Table 1.1.

**TABLE 1.1**  
**PRESSURE RANGE OF REGULATOR**

	High pressure		Low pressure	
	First stage	Single stage	Second stage	Single stage
Outlet pressure kPa	35–250	>7	≤7	≤7
Inlet pressure kPa	250–1750	250–1750	35–250	250–1750

**1.3 DEFINITIONS**

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

**1.3.1 Appliance regulator**

A device fitted to an appliance to control the gas pressure or gas volume delivered to that appliance.

**1.3.2 Authority**

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

**1.3.3 Certified**

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