

Australian Standard™

**Quick-connect devices for gas**

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. This Standard was published on 31 May 2005.

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Gas Appliance Manufacturers Association of Australia  
Gas Appliances and Services Association  
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Australian Standard™

## Quick-connect devices for gas

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## PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 212—1998, *Approval requirements for quick-connect 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 quick-connect 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.

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STANDARDS AUSTRALIA  

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SECTION 1 SCOPE AND DEFINITIONS

### 1.1 SCOPE

These requirements apply to quick-connect devices 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 vapour).

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

### 1.2 CLASSIFICATION

The quick-connect device shall be classified according to type.

#### 1.2.1 Type

Three types of quick-connect device shall be:

- (a) Type 1—A quick-connect device permitting gas flow only when the mating parts are connected, for use with all gases at inlet pressures up to 7 kPa, consisting of a plug and socket which may be approved and used separately. The Type 1 plug shall conform to the dimensions shown in Figure A1. The Type 1 socket shall be compatible with the plug shown in Figure A1.
- (b) Type 2—A quick-connect device with safety shut off permitting gas flow only when the mating parts are connected.
- (c) Type 3—A quick-connect device without shut off.

### 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 Bayonet fitting

A bayonet-style plug and mating socket designed for attachment so that the gas is turned on only when the plug is inserted and secured in a lock-fit recess.

#### 1.3.5 Connector ends

The end fittings permanently attached to the hose that may be of a screw type or quick-connect type.