

Australian Standard[®]

Fire hydrant installations

Part 2: Fire hydrant valves



This Australian Standard® was prepared by Committee FP-009, Fire Hydrant Installations. It was approved on behalf of the Council of Standards Australia on 16 September 2009. This Standard was published on 15 December 2009.

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- Association of Accredited Certification Bodies
 - Association of Hydraulic Services Consultants Australia
 - Australasian Fire and Emergency Service Authorities Council
 - Australian Building Codes Board
 - Australian Fire Safety Practitioner's Accreditation Board
 - Australian Industry Group
 - Australian Institute of Building Surveyors
 - Australian Stainless Steel Development Association
 - Australian Steel Institute
 - Department of Defence (Australia)
 - Engineers Australia
 - Fire Protection Association Australia
 - Plastics Industry Pipe Association of Australia
 - Property Council of Australia
 - Water Services Association of Australia
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Part 2: Fire hydrant valves

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-009, Fire Hydrant Installations, to supersede AS 2419.2—1994.

The objective of this Standard is to provide manufacturers with requirements for the design, performance and testing of valves suitable for installation as fire hydrant valves.

The objective of this revision is to—

- (a) clarify the intent of the Standard and make it easier to use;
- (b) align the Standard with current fire hydrant valve manufacturing practices and performance requirements of AS 2419.1;
- (c) review component materials considered fit for purpose;
- (d) align the Standard with Australian best practice for water conservation and protection of drinking water;
- (e) align the Standard with international Standards for construction and materials; and
- (f) introduce new provisions for product certification to promote quality and reliability of product.

This Standard complements AS 2419.1—2005, *Fire hydrant installations, Part 1: System design, installations and commissioning*.

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.

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STANDARDS AUSTRALIA

**Australian Standard
Fire hydrant installations****Part 2: Fire hydrant valves**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the design, construction, performance and testing of valves suitable for installation as fire hydrant valves.

1.2 APPLICATION

This Standard applies to fire hydrant valves intended for installation in accordance with AS 2419.1, and having rolled groove, shouldered, screwed or flanged inlets with a bore of minimum 65 mm nominal diameter. The hose connections of hydrant valve outlets shall be not less than 65 mm nominal diameter, and methods of attachment shall comply with the local fire brigade requirements.

Compliance with this Standard shall be demonstrated in accordance with Appendix A.

NOTES:

- 1 Guidance on types, and the locations where used, of fire hose couplings is given in Appendix B.
- 2 Purchasing guidelines are given in Appendix C.

1.3 NEW DESIGNS AND INNOVATIONS

Any alternative materials, designs, methods of assembly or procedures that do not comply with this Standard, or are not mentioned in it but give equivalent results to those specified, are not necessary prohibited. The specified approval remains the prerogative of the regulatory authority.

1.4 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard.

AS

1565	Copper and copper alloys—Ingots and castings
1567	Copper and copper alloys—Wrought rods, bars and sections
1568	Copper and copper alloys—Forging stock and forgings
1646	Elastomeric seals for waterworks purposes
1683	Methods of test for elastomers
1683.15.2	Part 15.2: Durometer hardness
1830	Grey cast iron
1831	Ductile cast iron
1832	Malleable cast iron