

AS 2419.1:2021



STANDARDS
Australia



Fire hydrant installations

Part 1: System design, installation and commissioning



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The following are represented on Committee FP-009:

- 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
- Engineers Australia
- Facility Management Association of Australia
- Fire Protection Association Australia
- Hydraulic Consultants Association Australasia
- Insurance Council of Australia
- International Copper Association Australia
- Master Plumbers Australia and New Zealand
- National Fire Industry Association
- Plastics Industry Pipe Association of Australia
- Water Services Association of Australia

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Part 1: System design, installation and commissioning

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Preface

This Standard was prepared by the Standards Australia Committee FP-009, Fire Hydrant Installations, to supersede AS 2419.1:2017.

A list of all parts in the AS 2419 series can be found in the Standards Australia online catalogue.

The objective of this Standard is to specify the minimum requirements for the design, installation, and commissioning of fire hydrant systems which —

- (a) will facilitate the efficient extinguishment of fire within the boundaries of the site;
- (b) can be used to minimize fire spread within or between one building or site and another;
- (c) can be used by trained firefighting personnel; and
- (d) have inlet and outlet connections that are used with the local fire brigade's firefighting equipment.

The major changes in this edition are as follows:

- (i) Restructure of the document and content to improve its use and readability.
- (ii) Limit the scope to buildings having an effective height not more than 135 m to Class 7b or 8 buildings having a total volume not more than 108 000 m², and to buildings that do not include automatic racked storage systems.
- (iii) Include informative appendices to clarify the intent of sections and clauses.
- (iv) Include new technologies and industry best practices to enable competitive and cost-effective design and water conservation.
- (v) Divide the previous [Section 8](#) (Pipework and valves) into two sections.
- (vi) Acknowledge the benefits of installed sprinkler systems to control the development and spread of fire.
- (vii) Introduce a range of requirements for high-rise buildings based on internationally applied Standards.

Notes or footnotes to tables or figures that are expressed in mandatory terms are deemed to be requirements of this document.

Notes to clauses in this document are informative only and do not include requirements.

The terms “normative” and “informative” are used in Standards to define the application of the appendices 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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