

AS 2118.1—1999
(Incorporating Amendment No. 1)

AS 2118.1

Australian Standard™

Automatic fire sprinkler systems

Part 1: General requirements

Building Code of Australia
Primary referenced Standard



This Australian Standard was prepared by Committee FP/4, Automatic Sprinkler Installations. It was approved on behalf of the Council of Standards Australia on 15 October 1999 and published on 5 December 1999.

The following interests are represented on Committee FP/4:

- Association of Consulting Engineers Australia
- Australasian Fire Authorities Council
- A1 | Australian Building Codes Board
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Department of Defence (Australia)
- FPA Australia
- Institution of Engineers Australia
- Insurance Council of Australia
- Property Council of Australia

Additional interests participating in preparation of Standard:

- Testing interests (Australia)
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Automatic fire sprinkler systems

Part 1: General requirements

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PREFACE

This Standard was prepared by the Standards Australia Committee FP/4, Automatic Sprinkler Installations, to supersede AS 2118.1 — 1995, *Automatic fire sprinkler systems, Part 1: Standard*.

This Standard incorporates Amendment No. 1 (June 2000). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

The objective of this edition is to include changes that reflect recent advances in technology and to refine the content for clarity and conciseness.

Significant changes have been made to Section 3 concerning exposure protection, and to Section 5 relating to protection of concealed spaces. Sections 10, 11 and 12, in respect to hydraulic calculation methods, have also received attention. Section 9, Light hazard class systems, has been entirely rewritten to include more useable and up-to-date parameters for the design of this class of system. The definitions clauses have been enlarged and the informative text for occupancy classification is set out in an appendix.

The revision to the AS 2118 suite of Standards has included Standards Australia's requirements to keep product and installation Standards separate. The series comprises the following:

AS

2118	Automatic fire sprinkler systems
2118.1	Part 1: General requirements
2118.2	Part 2: Wall wetting sprinklers (Drenchers)
2118.3	Part 3: Deluge
2118.4	Part 4: Residential
2118.5	Part 5: Domestic
2118.6	Part 6: Combined sprinkler and hydrant
2118.8	Part 8: Minor modifications
2118.9	Part 9: Piping support and installation
2118.10	Part 10: Approval documentation
4118	Fire sprinkler systems
4118.1.1	Part 1.1: Components—Sprinklers and sprayers
4118.1.2	Part 1.2: Components—Alarm valves (wet)
4118.1.3	Part 1.3: Components—Water motor alarms
4118.1.4	Part 1.4: Components—Valve monitors
4118.1.5	Part 1.5: Components—Deluge and pre-action valves
4118.1.6	Part 1.6: Components—Stop valves and non-return valves
4118.1.7	Part 1.7: Components—Alarm valves (dry)
4118.1.8	Part 1.8: Components—Pressure reducing valves
4118.1.9	Part 1.9: Components—Accelerators and exhausters
4118.2.1	Part 2.1: Piping—General

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.

This Standard incorporates commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by 'C' preceding the clause number and is printed in italics in a box. The commentary is for information only and does not need to be followed for compliance with the Standard.

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