

AS 2118—1982

Australian Standard<sup>®</sup>

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**SAA Code for Automatic fire  
sprinkler systems**

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This Australian standard was prepared by Committee FP/4, Automatic Sprinkler Installations. It was approved on behalf of the Council of the Standards Association of Australia on 13 April 1982 and published on 19 July 1982.

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The following interests were represented on the committee responsible for the preparation of this standard:

Association of Consulting Engineers (Victorian Chapter)  
Australian Fire Protection Association  
Australian Water and Sewerage Authorities  
Board of Fire Commissioners of New South Wales  
Building Owners and Managers Association of Australia  
Commonwealth Fire Board  
Confederation of Australian Industry  
Department of Transport and Construction  
Experimental Building Station  
Fire Protection Industry Association of Australia  
Insurance Council of Australia  
Metropolitan Fire Brigades Board, Melbourne  
Telecom Australia

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**AUTOMATIC FIRE SPRINKLER  
SYSTEMS**

known as the

**SAA CODE FOR AUTOMATIC  
FIRE SPRINKLER SYSTEMS**

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## PREFACE

This edition of this standard was prepared by the Association's Committee on Automatic Sprinkler Installations to supersede AS 2118—1978.

Periodic test and maintenance procedures are specified in AS 1851, Maintenance of Fire Protection Equipment, Part 3 — Automatic Fire Sprinkler Systems.

This edition places an area limitation on extra light hazard occupancies. This should not be taken to imply that there was any technical deficiency in the earlier classification. The action was taken to align AS 2118 more closely with the Rules of the (U.K.) Fire Offices' Committee for Automatic Sprinkler Installations, and with other overseas standards. For this reason, the area limitation on extra light hazard occupancies should not be applied retrospectively.

Revisions and additions contained in the two published amendments to AS 2118-1978, together with other revisions and additions approved by the committee have been incorporated in this edition. Other changes are editorial only. The clauses, tables and figures which have been subject to technical change or addition subsequent to Amendment No 2 to AS 2118-1978 are listed in Annex 2. Particular changes have been introduced in the following areas:

Clause 2.2.2 — distinguishes between the classification of extra light hazard and ordinary hazard Group 1 systems.

Clause 2.3.2.6 — introduces tail-end and anti-freezing solution systems.

Clause 4.4.1 — a new note outlines conditions where the water supply for both automatic sprinkler and fire hydrant services may be combined.

Clause 4.8.1 — amends suction tank refilling times.

Clause 5.6.18 — specifies the location of sprinklers in air-handling plants.

Clause 5.6.19 — details sprinkler protection in areas where computers are installed.

Clause 10.4.2.2 — expands on methods for pre-calculation of pipework for ordinary hazard class systems.

Clause 11.1.3 — expands on methods of storage, general design data and intermediate level sprinklers for extra high hazard class systems.

Clause 11.2.1 — modifies the flow requirements of sprinklers within racks.

Appendix D — added to clarify terminology applied to pipework.

Appendix E — added to provide parameters for full hydraulic calculation of extra light and ordinary hazard class systems.

## AMENDMENTS

When clauses, etc are amended (or otherwise altered, added to, or deleted), the relevant pages will be reprinted, and the Code user will be invited to substitute these pages for the existing pages. Each page as presently printed carries a key to the date of publication, located at the bottom of the page, in the form year, month and day, plus the letters 'FP' for first printing in this edition, thus: 1982-07-19 FP.

When an amendment is issued the relevant pages will carry a similar key located under the first one with a reference to the amendment; for example, 1982-11-01 A1 (for Amendment No 1). The amended portion will be indicated by means of a marginal rule with the letters A1, etc alongside.

A batch of altered pages will be accompanied by a summary sheet, which users may file at the back of the Code for reference. In addition the Code includes a general record sheet for amendments, etc.

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