

Australian Standard[®]

Fire sprinkler systems

**Part 1.2: Components—
Alarm valves (wet)**

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 November 1995 and published on 5 January 1996.

The following interests are represented on Committee FP/4:

Asset Services
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Fire Authorities Council
Australian Fire Protection Association
Australian Water and Sewerage Authorities
CSIRO—Division of Building, Construction and Engineering
Commonwealth Fire Board
Department of Defence
Fire Protection Industry Association of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/4 on Automatic Sprinkler Installations, to supersede in part AS 2118—1988, *Automatic fire sprinkler systems*.

This Standard is the result of a consensus among representatives on the joint committee to produce it as an Australian Standard.

The revisions to AS 2118 have included Standards Australia's requirements to keep product and installation Standards separate. When complete the series will comprise:

AS

- 2118 Automatic fire sprinkler systems
 - Part 1: Standard
 - Part 2: Wall wetting sprinklers (Drenchers)
 - Part 3: Deluge
 - Part 4: Residential
 - Part 5: Domestic
 - Part 6: Combined sprinkler and hydrant
 - Part 9: Piping support and installation
 - Part 10: Approval documentation
- 4118 Fire sprinkler systems
 - Part 1.1: Components—Sprinklers and sprayers
 - Part 1.2: Components—Alarm valves (wet)
 - Part 1.3: Components—Water motor alarms
 - Part 1.4: Components—Valve monitors
 - Part 1.5: Components—Deluge and pre-action valves
 - Part 1.6: Components—Stop valves and non-return valves
 - Part 1.7: Components—Alarm valves (dry)
 - Part 1.8: Components—Pressure reducing valves
 - Part 1.9: Components—Accelerators and exhausters
 - Part 2.1: Piping—General

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STANDARDS AUSTRALIA

Australian Standard
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the construction and performance of alarm valves (wet), for fire sprinkler systems.

1.2 NEW DESIGNS AND INNOVATIONS Any alternative materials, designs, methods of assembly and procedures that do not comply with specific requirements of this Standard or are not mentioned in it, but that give equivalent results to those specified, are not necessarily prohibited. Advice on such matters can be sought from Standards Australia, but the specified approval remains the prerogative of the regulatory authority.

1.3 DEEMED TO SATISFY Any alarm valve (wet), that has been listed and approved by an internationally recognized test and approval body such as—

- (a) Factory Mutual (FM);
- (b) Underwriters Laboratories (UL);
- (c) Loss Prevention Council (LPC);

or has been listed by Scientific Services Laboratory (SSL) in—

SSL Register of Accredited Products
Fire Protection Equipment

shall be deemed to satisfy the requirements of this Standard.

1.4 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1683 Methods of testing elastomers
- 1683.11 Part 11: Tension testing of vulcanized rubber
- 2484 Fire—Glossary of terms
- 2484.1 Part 1: Fire tests
- 2484.2 Part 2: Fire protection and firefighting equipment

3500 National Plumbing and Drainage Code

3500.0 Part 0: Glossary of Terms

ISO

- 898 Mechanical properties of fasteners
- 898.1 Part 1: Bolts, screws and studs
- 898.2 Part 2: Nuts with specified proof load values

1.5 DEFINITIONS For the purpose of this Standard, the definitions given in AS 2484.1, AS 2484.2, AS 3500.0 and that below, apply.

1.5.1 Regulatory authority—a Minister of the Crown, a government department, or other public authority having power to issue regulations, orders, or other instructions in respect of any subject covered by this Standard.