Australian Standard®

Automatic fire sprinkler systems

Part 9: Piping support and installation

This Australian Standard was prepared by Committee FP/4, Standard Sprinkler Installations. It was approved on behalf of the Council of Standards Australia on 13 March 1995 and published on 5 July 1995.

The following interests are represented on Committee FP/4:

Australian Building Codes Board

Australian Chamber of Commerce and Industry

Australian Chamber of Manufactures

Australian Construction Services, Department of Administrative Services

Australian Fire Authorities Council

Australian Fire Protection Association

Australian Water and Sewerage Authorities

Commonwealth Fire Board

CSIRO—Division of Building, Construction and Engineering

Fire Protection Industry Association of Australia

Institution of Engineers Australia

Insurance Council of Australia

Master Plumbers and Mechanical Services Association of Victoria

Melbourne Water

New Zealand Fire Equipment Association

Telecom Australia

The Association of Consulting Engineers Australia.

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PREFACE

This Australian Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Automatic Sprinkler Installations, to supersede in part AS 2118—1988, *SAA Code for 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 include 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 alarm
- 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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Previous edition AS 2118—1982.
Revised and redesignated in part as AS 2118.9—1995.

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Part 9: Piping support and installation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the support and installation of piping 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. The specified approval remains the prerogative of the regulatory authority.

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

AS
1074 Steel tubes and tubulars for ordinary service
1167 Welding and brazing—Filler metals
1281 Cement mortar lining of steel pipes and fittings
1432 Copper tubes for plumbing, gasfitting and drainage applications
1516 The cement mortar lining of pipelines in situ
1530 Methods of fire tests on building materials, components and structures
1530.4 Part 4: Fire-resistance test of elements of building construction
1538 Cold-formed Steel Structures Code
1579 Arc welded steel pipes and fittings for water and gas
1650 Hot-dipped galvanized coatings on ferrous articles
1674 Safety in welding and allied processes
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1834.1 Part 1: Solder alloys
1834.2 Part 2: Flux-cored solders
1873 Powder-actuated (PA) hand-held fastening tools
1873.1 Part 1: Selection, operation and maintenance
1873.3 Part 3: Charges
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