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STANDARDS Australia

AS 2118.3—2010

Automatic fire sprinkler systems

Part 3: Deluge systems

Australian STANDARD

AS

Deluge systems

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This Australian Standard® was prepared by Committee FP-004, Automatic Fire Sprinkler Systems. It was approved on behalf of the Council of Standards Australia on 10 June 2010. This Standard was published on 20 August 2010.

The following are represented on Committee FP-004:

- Association of Consulting Engineers Australia
- Australasian Fire and Emergency Service Authorities Council
- Australian Building Codes Board
- Australian Industry Group
- Australian Institute of Building Surveyors
- Consumers' Federation of Australia
- Department of Defence (Australia)
- Department of Human Services (Victoria)
- Engineers Australia
- Fire Protection Association Australia
- Independent Chairperson
- Insurance Council of Australia Limited
- National Fire Industry Association
- Testing Interests (Australia)

This Standard was issued in draft form for comment as DR 08134.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard®

Automatic fire sprinkler systems

Part 3: Deluge systems

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-004, Automatic Fire Sprinkler Systems, to supersede AS 2118.3—1997, *Automatic fire sprinkler systems*, Part 3: *Deluge*.

This Standard is based on established industry practice for providing the most appropriate protection to special hazards encountered in modern society. Sources used by the committee include research and experience in several countries including the UK and USA. The technical content is essentially identical with the previous 1997 edition. A Foreword has been added covering deluge system design methodology.

The AS 2118 suite of sprinkler Standards has been restructured into two groups: Systems (AS 2118 series) and Component (AS 4118 series). The complete series comprises the following:

AS	
2118	Automatic fire sprinkler systems
2118.1	Part 1: General systems
2118.2	Part 2: Drencher systems
2118.3	Part 3: Deluge systems (this Standard)
2118.4	Part 4: Sprinkler systems for accommodation buildings not exceeding four storeys in height
2118.5	Part 5: Home fire sprinkler systems
2118.6	Part 6: Combined sprinkler and hydrant systems in multistorey buildings
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—Alarms valves (dry)
4118.1.8	Part 1.8: Components—Pressure-reducing valves
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.

Notes in this Standard are advisory only.

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CONTENTS

Page

FOREWORD 4

SECTION 1 SCOPE AND GENERAL
1.1 SCOPE 5
1.2 OBJECTIVE 5
1.3 REFERENCED DOCUMENTS 5
1.4 DEFINITIONS 6

SECTION 2 SYSTEM CLASSIFICATION AND DESIGN
2.1 GENERAL 7
2.2 CLASSIFICATION OF OCCUPANCIES 7
2.3 DESIGN DATA 7
2.4 WATER SUPPLIES 8
2.5 SPRINKLERS 9
2.6 SPACING AND LOCATION OF SPRINKLERS 9
2.7 HYDRAULIC CALCULATIONS 9
2.8 DETECTION SYSTEMS 10
2.9 DELUGE VALVES 10
2.10 MULTIPLE JET CONTROLS (MJCs) 11
2.11 DRAINAGE 11
2.12 PIPE AND FITTINGS 11

SECTION 3 FOAM/WATER DELUGE SYSTEMS
3.1 GENERAL 17
3.2 APPLICATION 17
3.3 FOAM CONCENTRATE LIMITATIONS 17
3.4 SYSTEM DESIGN 17
3.5 RESERVE SUPPLY OF FOAM CONCENTRATE 18
3.6 RETENTION AND DISPOSAL 18
3.7 MONITORING 18

SECTION 4 COMPONENTS
4.1 GENERAL 19
4.2 FOAM CONCENTRATE 19
4.3 FOAM CONCENTRATE PROPORTIONING 19
4.4 TEST CONNECTIONS 19
4.5 FOAM CONCENTRATE STORAGE TANKS 19
4.6 STRAINERS FOR FOAM CONCENTRATES 20
4.7 FOAM CONCENTRATE PUMPS 20

BIBLIOGRAPHY 23

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