

Australian Standard<sup>®</sup>

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**Fire protection of cooking areas**

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This Australian Standard was prepared by Committee FP/14, Fire Protection of Cooking Areas. It was approved on behalf of the Council of Standards Australia on 12 January 1990 and published on 7 May 1990.

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The following interests are represented on Committee FP/14:

Air Conditioning and Mechanical Contractors Association of Australia  
Australian Assembly of Fire Authorities  
Australian Fire Protection Association  
Australian Gas Association  
Australian Hotels Association  
Australian Institute of Building Surveyors  
Australian Institute of Fire Technology  
Australian Institute of Health Surveyors  
Catering Institute of Australia  
Commercial Kitchen Equipment Companies Association  
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Insurance Council of Australia  
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## PREFACE

This Standard was prepared by the Standards Australia Committee on Fire Protection of Cooking Areas.

The fire risks associated with kitchen equipment are widely appreciated, and the need for adequate fire protection is readily apparent. This Standard draws attention to ancillary fire protection equipment such as portable extinguishers and fire blankets, but is principally concerned with performance specifications for fixed fire extinguishing systems utilizing carbon dioxide, fire extinguishing powders, wet chemicals, or water sprays. Minimum requirements for inspection and maintenance are also given herein.

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## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE . . . . .	4
1.2 REFERENCED DOCUMENTS . . . . .	4
1.3 DEFINITIONS . . . . .	5
1.4 PERSONNEL . . . . .	5
1.5 HEALTH AND SAFETY . . . . .	5
1.6 GENERAL FIRE PROTECTION REQUIREMENTS . . . . .	5
SECTION 2 COMMON DESIGN AND INSTALLATION REQUIREMENTS FOR FIXED FIRE EXTINGUISHING SYSTEMS	
2.1 DESIGN (CONSTRUCTION) . . . . .	6
2.2 DISCHARGE NOZZLES . . . . .	7
2.3 SYSTEM DETECTORS . . . . .	7
2.4 INDICATORS . . . . .	7
2.5 SYSTEMS PROTECTING SHARED PLENUMS . . . . .	7
2.6 QUANTITY OF EXTINGUISHANT . . . . .	7
2.7 EXTINGUISHANT STORAGE CONTAINERS . . . . .	8
2.8 PRELIMINARY DATA AND SPECIFICATIONS . . . . .	8
2.9 PRE-ENGINEERED SYSTEMS . . . . .	8
2.10 DRAWINGS . . . . .	8
2.11 SYSTEM MANUALS . . . . .	8
2.12 SAFETY WARNINGS . . . . .	8
SECTION 3 CARBON DIOXIDE SYSTEMS	
3.1 GENERAL . . . . .	9
3.2 HEALTH AND SAFETY . . . . .	9
3.3 LOCATION OF NOZZLES AND QUANTITY OF DISCHARGE . . . . .	9
SECTION 4 FIRE EXTINGUISHING POWDER SYSTEMS	
4.1 GENERAL . . . . .	10
4.2 HEALTH AND SAFETY . . . . .	10
4.3 RATE AND DURATION OF DISCHARGE . . . . .	10
4.4 ARRANGEMENT OF PIPEWORK . . . . .	10
SECTION 5 WET CHEMICAL SYSTEMS	
5.1 GENERAL . . . . .	12
5.2 HEALTH AND SAFETY . . . . .	12
5.3 RATE AND DURATION OF DISCHARGE . . . . .	12
5.4 SYSTEM FLUSHING . . . . .	12
SECTION 6 SPRINKLER AND WATER SPRAY SYSTEMS	
6.1 GENERAL . . . . .	13
6.2 HEALTH AND SAFETY . . . . .	13
6.3 RATE AND DURATION OF DISCHARGE . . . . .	13
APPENDICES	
A EXTINGUISHING SYSTEM PERFORMANCE REQUIREMENTS . . . . .	14
B COMPONENT PERFORMANCE REQUIREMENTS . . . . .	16
C INSPECTION, MAINTENANCE, AND RECORDS . . . . .	18

## STANDARDS AUSTRALIA

**Australian Standard**  
**Fire protection of cooking areas**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE.** This Standard sets out requirements for the safety, design, installation, testing and maintenance of fixed fire extinguishing systems used in kitchens (fixed, relocatable, or mobile) and other cooking areas.

Such systems comprise the following:

- (a) Standard systems.
- (b) Pre-engineered systems.
- (c) Custom designed systems.

This Standard applies to unenclosed cooking appliances employed in restaurant, commercial, industrial, and institutional situations, and which may have an open surface of cooking oil or fat e.g. deep fryers, griddles, grillers, range tops, etc. This Standard also applies to hoods and ducts associated with such appliances.

Enclosed ovens, water boilers, etc., are excluded from the requirements of this Standard.

Requirements for inspection and maintenance are specified in Appendix C.

**1.2 REFERENCED DOCUMENTS.** The documents below are referred to in this Standard.

AS

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|--------|---|
| 1099   | Basic environmental testing procedures for electrotechnology                              |
| 1099.2 | Part 2: Test Ca—Damp heat, steady state   |
| 1216   | Classification, hazard identification and information systems for dangerous goods         |
| 1221   | Fire hose reels   |
| 1319   | Safety signs for the occupational environment   |
| 1603   | Automatic fire detection and alarm systems  |
| 1603.1 | Part 1: Heat detectors  |
| 1603.2 | Part 2: Point type smoke detectors  |
| 1668   | SAA Mechanical Ventilation and Air-conditioning Code                                      |
| 1668.1 | Part 1: Fire precautions in buildings with air-handling systems                           |
| 1670   | Automatic fire detection and alarm systems—System design, installation, and commissioning |
| 1851   | Maintenance of fire protection equipment  |
| 1851.1 | Part 1: Portable fire extinguishers   |
| 1851.2 | Part 2: Fire hose reels   |
| 1851.4 | Part 4: Fire hydrant installations  |
| 1890   | Thermally-released links  |
| 2030   | SAA Gas Cylinders Code  |
| 2030.1 | Part 1: Cylinders for compressed gases-other than acetylene                               |
| 2118   | SAA Code for Automatic Fire Sprinkler Systems   |
| 2419   | Fire hydrants installations   |
| 2419.1 | Part 1: System design, installation, and commissioning                                    |
| 2441   | Installation of fire hose reels   |
| 2444   | Portable fire extinguishers—Selection and location  |
| 2470   | Steel cylinders for compressed gases—Welded—11 kg to 150 kg                               |
| 2700   | Colour standards for general purposes   |
| 3000   | SAA Wiring Rules  |
| 3504   | Fire blankets   |
| 3509   | LP gas fuel vessels for automotive use  |
| NFPA   |   |
| 12     | Carbon dioxide extinguishing systems  |
| 17     | Dry Chemical extinguishing systems  |
| 17-A   | Wet Chemical extinguishing systems  |