

AS/NZS 1851.13:1995

Australian/New Zealand Standard

**Maintenance of fire protection
equipment**

Part 13: Wheeled fire extinguishers

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee FP/3, Fire Extinguishers. It was approved on behalf of the Council of Standards Australia on 12 May 1995 and on behalf of the Council of Standards New Zealand on 10 July 1995. It was published on 5 August 1995.

The following interests are represented on Committee FP/3:

Aerosol Association of Australia
Association of Certification Bodies
Australian Construction Services—Department of the Arts and Administrative Services
Australian Fire Authorities Council (Australia)
Australian Fire Protection Association
Commonwealth Fire Board
Department of Consumer Affairs, N.S.W.
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New Zealand Fire Equipment Association
Office of Consumer Affairs S.A.
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Western Australian Fire Brigade Board

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Metropolitan Fire Brigades Board

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Part 13: Wheeled fire extinguishers

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/3 on Fire Extinguishers as part of the series of AS 1851, *Maintenance of fire protection equipment*.

The object of this Standard is to provide a specific maintenance regime for wheeled fire extinguishers in which the extinguishant can be expelled either by gas stored under pressure in the cylinder of the extinguisher or by the release of gas from a compressed gas container.

This Standard contains a maintenance schedule table set on a time-elapsd basis and range, referred to as the following levels:

Level 1 Six-monthly.

Level 2 Yearly.

Level 3 Three-yearly.

Level 4 Five-yearly for New Zealand and six yearly for Australia.

Level 5 After use.

In New Zealand, pressure testing of all fire extinguishers over 500 mL in water capacity must be carried out at an approved test station in accordance with the requirements of the New Zealand Dangerous Goods Regulations (Class 2—Gases) and the Department of Labour publication— *Guide to Gas Cylinders*.

The testing revolves around a five-yearly test cycle once the extinguisher is five years of age and has been discharged. This rule also applies to compressed gas containers.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Maintenance of fire protection equipment

Part 13: Wheeled fire extinguishers

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out requirements for the regular inspection, testing, recharging and general servicing of rechargeable wheeled fire extinguishers that at the time of manufacture complied with AS 4265. This Standard may also be applicable to fire extinguishers which are used for demonstration or practice purposes. However, for such extinguishers, consideration should be given to more frequent maintenance due to their increased usage and potential for wear and damage.

NOTE: A wheeled fire extinguisher is generally referred to in this Standard as ‘an extinguisher’ or ‘the extinguisher’.

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

AS

- 1851 Maintenance of fire protection equipment (all parts)
- 1851.1 Portable fire extinguishers—Part 1: General requirements
- 2030 The approval, filling, inspection, testing and maintenance of cylinders for the storage and transport of compressed gases (known as the SAA Gas Cylinders Code)
- 2030.1 Part 1: Cylinders for compressed gases other than acetylene
- 2337 Gas cylinder test stations
- 2337.1 Part 1: General requirements, inspections and tests—Gas cylinders
- 2700 Colour standards for general purposes
- 3676 Portable fire extinguishers—Guide to servicing
- 4265 Wheeled fire extinguishers

BS

- 5252 Framework for colour co-ordination for building purposes

SAA

- MP48 Approved gas cylinder test stations

NZS

- 5807 Code of practice for industrial identification by colour wording or other coding
- NZ Dangerous Goods (Class 2—Gases) Regulations
- Department of Labour—Guide to gas cylinders

SECTION 2 GENERAL REQUIREMENTS

2.1 RECORD OF DISPOSITION AND LOCATION OF FIRE EXTINGUISHERS

2.1.1 General Every extinguisher shall bear a permanently fixed, unique, site identification mark, suitable for cross referencing with maintenance records. The mark may consist of the following:

- (a) Written numbers, letters or a combination of both.
- (b) Barcode.
- (c) Magnetic or electronic strip or similar, e.g. smart chip.

2.1.2 Location Where there are more than 10 extinguishers located in or on a property, the type, size, rating, location and identification of wheeled fire extinguishers in or on a property shall be recorded either on a site plan or other means clearly describing the extinguishers and the location.

2.1.3 Records A maintenance record system shall be provided by the property owner or occupier to sequentially record maintenance carried out on fire extinguishers and shall contain the following:

- (a) Type of extinguisher, i.e water, foam.
- (b) Date of manufacture.
- (c) Record of the last level 1, 2, 3, and 5 service.
- (d) Any defects and remedial action.
- (e) Record of missing or misplaced extinguishers or any other applicable comments.

A maintenance record system may take the form of—

- (a) log book;
- (b) computer-based record system; or
- (c) Any other permanent record system that is capable of easy interpretation or generally easily interpreted reports and is to be cross referenced against an individual extinguisher.

The maintenance record shall be available for the property at all times. Where a log book is used, it shall be substantially bound and not in a loose-leaf format, and shall have numbered pages in triplicate. The log book shall include the signature of the owner, agent or service person and have a required distribution of copies printed on each page, as follows:

- (a) Original—owner/occupier/agent.
- (b) Duplicate—service person.
- (c) Triplicate—retain in book.

The use of maintenance record tags does not preclude the need for a separate maintenance record system.

2.1.4 Reporting A report, including any discrepancy in location, type, size, rating and identification mark during servicing, shall be provided to the owner of the equipment in writing.