

# Australian/New Zealand Standard™

## Portable fire extinguishers

### Part 8: Specific requirements for non-rechargeable type extinguishers

#### 1 SCOPE

This Standard specifies requirements for portable non-rechargeable, stored-pressure fire extinguishers.

#### 2 APPLICATION

Portable, non-rechargeable, stored-pressure fire extinguishers shall comply with AS/NZS 1841.1 and other relevant parts of AS/NZS 1841 with respect to the extinguishant used and the requirements of this Standard. Where requirements differ, this Standard shall take precedence.

The extinguishers are designed for one use only; they are not to be refilled and are to be discarded after any use or else depressurized and discarded before the expiry date shown on the label.

#### 3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1851 Maintenance of fire protection systems and equipment

AS/NZS

1841 Portable fire extinguishers

1841.1 Part 1: General requirements

1850 Portable fire extinguishers—Classification, rating and performance testing

NZS

4503 The distribution, installation and maintenance of hand operated fire fighting equipment for use in buildings

#### 4 TEST REQUIREMENTS

In addition to the general requirements of AS/NZS 1841.1, every extinguisher shall be tested for gas leakage using instrumental means.

#### 5 EXEMPTED PROVISIONS

Non-rechargeable fire extinguishers are exempted from the following:

- (a) The requirements for neck ring openings given in AS/NZS 1841.1.
- (b) Any requirements for rechargeability.

## 6 PRESSURE INDICATOR

The extinguisher shall be fitted with a pressure-indicating device. The indicator shall be capable of indicating the nominal working pressure within  $\pm 10\%$  at  $23 \pm 2^\circ\text{C}$ . Extinguishers fitted with a pressure-indicating device that does not meet the above requirements shall be subjected to a fire test or tests in accordance with AS/NZS 1850 at the lowest point of the extinguisher manufacturer's specification.

The size of the test fire shall be that which is obtained at nominal working pressure. One fire only need be extinguished from one attempt. Should that attempt fail, a full test shall be conducted at the lower pressure in accordance with the requirements of AS/NZS 1850.

## 7 MAINTENANCE

The extinguisher shall be required to undergo all inspection routines in Australia as specified in AS 1851, and in New Zealand all inspection routines specified in NZS 4503, except those requiring the removal of the operating head, depressurizing or inspection of contents or the interior of the extinguisher.

## 8 MARKING

In addition to the requirements of AS/NZS 1841.1 (with the exception of the requirements of Clauses 9.5(d), 9.5(g), 9.5 (i) and 9.7), every non-rechargeable type extinguisher shall be marked with the following:

- (a) The words 'NON-RECHARGEABLE FIRE EXTINGUISHER'.
- (b) The words 'DISCARD AFTER USE, DEPRESSURIZE AND DISCARD BEFORE THE EXPIRY DATE', followed by a date, not more than five years after the date of manufacture.
- (c) The words 'ONE USE ONLY—NOT REFILLABLE'.
- (d) The words 'DO NOT INCINERATE OR PUNCTURE THIS CAN, EVEN WHEN EMPTY'.

## NOTES

This Australian/New Zealand Standard was prepared by Joint Technical Committee FP-003, Fire Extinguishers. It was approved on behalf of the Council of Standards Australia on 14 July 2007 and on behalf of the Council of Standards New Zealand on 6 July 2007 and published on 31 August 2007.

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The following are represented on Committee FP-003:

Association of Accredited Certification Bodies  
Australasian Fire Authorities Council  
Australian Building Codes Board  
Australian Competition and Consumer Commission  
Certification Interests (Australia)  
Fire Protection Association Australia  
Fire Protection Association New Zealand  
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