

Under revision see DR 90053, DR 90048

# Australian Standard® 1845—1985

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## PORTABLE FIRE EXTINGUISHERS— FOAM (STORED PRESSURE) TYPE



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**STANDARDS ASSOCIATION OF AUSTRALIA**  
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This Australian standard was prepared by Committee FP/3, Fire Extinguishers. It was approved on behalf of the Council of the Standards Association of Australia on 8 October 1985 and published on 4 November 1985.

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The following interests are represented on Committee FP/3:

Board of Fire Commissioners of New South Wales  
Building Owners and Managers Association of Australia  
Commonwealth Fire Board  
Department of Consumer Affairs, N.S.W.  
Department of Defence  
Department of Home Affairs and Environment  
Department of Industrial Relations, N.S.W.  
Experimental Building Station  
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**AUSTRALIAN STANDARD**

**PORTABLE FIRE EXTINGUISHERS—  
FOAM (STORED PRESSURE)  
TYPE**

**AS 1845—1985**

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## PREFACE

This edition of this standard was prepared by the Association's Committee on Fire Extinguishers, to supersede AS 1845—1983.

The changes in this edition include allowance for trace gas detection, new design and pulsation test requirements for the extinguisher body construction, the inclusion of a test requirement for siphon tubes, clarification of the warning attached to extinguishers shipped empty, a revision of the requirements for Appendix D, and changes of an editorial nature.

Some purchasers may require evidence from manufacturers or suppliers that their product complies with the provisions of the relevant standard. The Standards Mark of the Association (see Note to Marking clause) on an extinguisher is an independent assurance of such compliance.

Other Australian standards dealing with portable fire extinguishers are as follows:

- AS 1841 Portable Fire Extinguishers—Water (Gas Container) Type
- AS 1842 Portable Fire Extinguishers—Water (Stored Pressure) Type
- AS 1844 Portable Fire Extinguishers—Foam (Gas Container) Type
- AS 1846 Portable Fire Extinguishers—Powder Type
- AS 1847 Portable Fire Extinguishers—Carbon Dioxide Type
- AS 1848 Portable Fire Extinguishers—Halon Type
- AS 1850 Portable Fire Extinguishers—Classification, Rating and Fire Testing
- AS 1851.1 Maintenance of Fire Protection Equipment, Part 1—Portable Fire Extinguishers
- AS 2444 Portable Fire Extinguishers—Selection and Location

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## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

for

## PORTABLE FIRE EXTINGUISHERS—FOAM (STORED PRESSURE) TYPE

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE.** This standard specifies requirements for metal-bodied portable fire extinguishers of the foam type in which the foam is expelled by gas stored under pressure in the body of the extinguisher. It refers to materials, methods of manufacture, and performance of the extinguisher.

**1.2 REFERENCED DOCUMENTS.** The following standards are referred to in this standard:

- AS 1849 Identification Colours for Portable Fire Extinguishers
  - AS 1850 Portable Fire Extinguishers—Classification, Rating and Fire Testing
  - AS 2700 Colour Standards for General Purposes
- Standards for materials and for welding or brazing methods are listed in Appendix A and in Appendices B and D, respectively.

**1.3 DEFINITIONS.** For the purpose of this standard, the following definitions apply:

**1.3.1 Portable fire extinguisher**—a fire-fighting appliance which is designed to be carried and operated by hand, and which in working order has a mass not greater than 23 kg.

NOTE: This limit of 23 kg may be considered internationally and could be reduced to 20 kg.

**1.3.2 Foam (stored pressure) type portable fire extinguisher**—a portable fire extinguisher in which the foam is expelled by means of an inert gas or air stored with or dissolved in the charge under pressure.

NOTE: The foam (stored pressure) type portable fire extinguisher is generally referred to in this standard as 'an extinguisher' or 'the extinguisher'.