

Australian Standard® 1842-1985

PORTABLE FIRE EXTINGUISHERS— AND WET CHEMICAL SEE AMENDMENT 1 WATER (STORED PRESSURE) TYPE



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.

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
Fire Protection Industry Association of Australia
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AS 1842/Amdt 1/1989-07-14

STANDARDS AUSTRALIA

Amendment No 1

to

AS 1842—1985

Portable fire extinguishers—Water (stored pressure) type

REVISED TEXT

The 1985 edition of AS 1842 is amended as follows; the amendment(s) should be inserted in the appropriate place.

SUMMARY: This Amendment applies to the title and Clauses 1.1, 1.2, 1.3.3, 2.1, 2.3, 2.15.2, 2.16.1, 4.1.1, 4.1.2, 4.2, 4.3 and Appendix E.

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Cover page, title page and Page 4. Title.

Add 'and Wet Chemical' after the word 'Water' in the title.

AUSTRALIAN STANDARD

**PORTABLE FIRE EXTINGUISHERS—
AND WET CHEMICAL. SEE AMENDMENT 1
WATER (STORED PRESSURE)
TYPE**

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PREFACE

This edition of this standard was prepared by the Association's Committee on Fire Extinguishers, to supersede AS 1842—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 1844 Portable Fire Extinguishers—Foam (Gas Container) Type
- AS 1845 Portable Fire Extinguishers—Foam (Stored Pressure) 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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CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 Scope	4
1.2 Referenced Documents	4
1.3 Definitions	4
SECTION 2. DESIGN AND CONSTRUCTION	
2.1 Size	5
2.2 Method of Operation	5
2.3 Charge	5
2.4 Basis for Design	5
2.5 Materials and Construction	5
2.6 Circumferential and Longitudinal Joints	5
2.7 Protective Finishes	5
2.8 Neck Ring	6
2.9 Operating Head	6
2.10 Actuating Mechanism	6
2.11 Handle and Supporting Fitting	6
2.12 Support Fixture	6
2.13 Liquid Level Indicator	6
2.14 Pressure Indicating Device	6
2.15 Discharge Fittings	6
2.16 Performance Requirements	6
SECTION 3. TESTING	
3.1 Pressure Tests	7
3.2 Test for Continuity of Organic Lining	7
3.3 Checking for Leakage of Gas	7
3.4 Pulsation Test (Type Test Only)	7
SECTION 4. MARKING, IDENTIFICATION, AND PACKING	
4.1 Marking of Extinguishers	8
4.2 Colour Identification	8
4.3 Packing for Shipment	8
APPENDICES	
A Materials Suitable for Welding or Brazing	9
B Welding or Brazing of Extinguishers—Permissible Methods	10
C Additional Requirements for Resistance (Seam or Spot) Welding	10
D Fusion Welding	11
E Type Approval Test	11

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

*AND WET CHEMICAL SEE AMENDMENT 1***PORTABLE FIRE EXTINGUISHERS—WATER (STORED PRESSURE) TYPE**

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for metal-bodied portable fire extinguishers of the water type in which the water 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.

NOTE: *SEE AMENDMENT 1*

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

AS 1849 *SEE AMENDMENT 1* 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 first-aid 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 reconsidered internationally and could be reduced to 20 kg.

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

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

1.3.3 *Wet chemical (stored pressure) type*
SEE AMENDMENT 1