



**NSAI**  
Standards

Irish Standard  
I.S. EN 1866-2:2014

Mobile fire extinguishers - Part 2:  
Requirements for the construction, pressure  
resistance and mechanical tests for  
extinguishers, with a maximum allowable  
pressure equal to or lower than 30 bar, which  
comply with the requirements of EN 1866-1

**I.S. EN 1866-2:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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EUROPEAN STANDARD  
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EUROPÄISCHE NORM

**EN 1866-2**

May 2014

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Supersedes EN 1866:2005

English Version

**Mobile fire extinguishers - Part 2: Requirements for the  
construction, pressure resistance and mechanical tests for  
extinguishers, with a maximum allowable pressure equal to or  
lower than 30 bar, which comply with the requirements of EN  
1866-1**

Extincteurs d'incendie mobiles - Partie 2: Exigences pour la  
construction, la résistance à la pression et les essais  
mécaniques des extincteurs conformes aux exigences de  
l'EN 1866-1, dont la pression maximale admissible est  
inférieure ou égale à 30 bar

Fahrbare Feuerlöscher - Teil 2: Anforderungen an die  
konstruktive Ausführung, Druckfestigkeit und mechanischen  
Prüfungen für Feuerlöscher mit einem Höchstdruck kleiner  
gleich 30 bar, die den Anforderungen von EN 1866-1  
entsprechen

This European Standard was approved by CEN on 20 March 2014.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## EN 1866-2:2014 (E)

## Contents

Page

Foreword.....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions .....	5
4 Symbols and abbreviations .....	5
5 Materials .....	6
6 Design and prototype testing .....	6
6.1 Calculation design method .....	6
6.2 Experimental design method .....	6
6.3 Prototype testing .....	7
6.4 Macroscopic examination .....	8
6.5 Attached parts .....	8
6.6 Overfill pressure test .....	8
6.7 Requirements for components subject to pressure .....	8
6.8 Hose assembly and attached components .....	8
6.9 Propellant gas cylinders .....	9
7 Manufacturing .....	9
7.1 General requirements .....	9
7.2 Welded and brazed parts .....	9
7.3 Traceability .....	9
7.4 Marking .....	10
8 Inspection and testing during manufacturing .....	10
8.1 Assemblies .....	10
8.2 Extinguisher bodies .....	10
8.3 Accessories and fittings (excluding pressure relief devices) .....	11
8.4 Final inspection .....	11
Annex A (informative) Classification of the different parts of an extinguisher subject to internal pressure .....	12
Annex B (normative) Specifications for plastics components (except hoses, pistols and nozzles) .....	13
B.1 General .....	13
B.2 Requirements for plastics components subject to pressure .....	13
Annex C (normative) Pressures and temperatures .....	16
Annex D (normative) Overfill Pressure Test .....	17
Annex E (normative) Test for burst pressure of hose assembly and attached components .....	18
Annex F (normative) Propellant gas cylinders .....	19
F.1 General requirements .....	19
F.2 Cylinder .....	19
F.3 Cylinder valve .....	19
F.4 Marking .....	19
Annex G (normative) Materials - quality control documents .....	21
Annex ZA (informative) Relationship between this European Standard and the essential requirements of EU Directive 97/23/EC .....	22

## Foreword

This document (EN 1866-2:2014) has been prepared by Technical Committee CEN/TC 70 “Manual means of fire fighting equipment”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2014 and conflicting national standards shall be withdrawn at the latest by November 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document, with EN 1866-1 and EN 1866-3, supersedes EN 1866:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 97/23/EC.

For relationship with EU Directive 97/23/EC, see informative Annex ZA, which is an integral part of this document.

This European Standard EN 1866 consists of the following parts under the general title “Mobile fire extinguishers”:

- *Part 1: Characteristics, performance and test methods;*
- *Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1;*
- *Part 3: Requirements for the assembly, construction and pressure resistance of CO<sub>2</sub> extinguishers which comply with the requirements of EN 1866-1.*

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 1866-2:2014 (E)****1 Scope**

This European Standard specifies the rules of design, type testing, manufacturing and inspection during manufacturing of mobile fire extinguishers with metallic bodies, which comply with the requirements of EN 1866-1, as far as pressure resistance is concerned.

This part applies to mobile fire extinguishers of which the maximum allowable pressure PS is lower than or equal to 30 bar and containing non-explosive, non-flammable, non-toxic and non-oxidizing fluids or powder.

This European Standard does not apply to carbon dioxide fire extinguishers.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 3-7:2004+A1:2007, *Portable fire extinguishers - Part 7: Characteristics, performance requirements and test methods*

EN 1866-1:2007, *Mobile fire extinguishers - Part 1: Characteristics, performance and test methods*

EN 10204:2004, *Metallic products - Types of inspection documents*

EN 13134, *Brazing - Procedure approval*

EN 13445-1, *Unfired pressure vessels - Part 1: General*

EN 13445-2, *Unfired pressure vessels - Part 2: Materials*

EN 13445-3:2009, *Unfired pressure vessels - Part 3: Design*

EN 13445-4, *Unfired pressure vessels - Part 4: Fabrication*

EN 13445-5, *Unfired pressure vessels - Part 5: Inspection and testing*

EN ISO 9017, *Destructive tests on welds in metallic materials - Fracture test (ISO 9017)*

EN ISO 9606-1, *Qualification testing of welders - Fusion welding - Part 1: Steels (ISO 9606-1)*

EN ISO 9606-2, *Qualification test of welders - Fusion welding - Part 2: Aluminium and aluminium alloys (ISO 9606-2)*

EN ISO 4892-2, *Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 4892-2)*

EN ISO 10297, *Transportable gas cylinders - Cylinder valves - Specification and type testing (ISO 10297)*

EN ISO 13585, *Brazing - Qualification test of brazers and brazing operators (ISO 13585)*

EN ISO 14732, *Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials (ISO 14732)*

EN ISO 15609-1, *Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding (ISO 15609-1)*

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