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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

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1866-2

May 2014

ICS 13.220.10

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.

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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of an identical text or by endorsement, at the latest by November 2014 and conflicting national standards shall be withdrawn at the latest by November 2014.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_2 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.

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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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