

Portable aerosol dispensers for fire extinguishing
purposes

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Portable aerosol dispensers for fire extinguishing purposes

Générateur d'aérosol portatif à fonction extinctrice

Feuerlöschsprays

This European Standard was approved by CEN on 27 January 2020.

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European foreword

This document (EN 16856:2020) has been prepared by Technical Committee CEN/TC 70 “Manual means of firefighting 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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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

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Introduction

This document has been written with the aim of producing a specification for small disposable, aerosol dispensers for fire extinguishing purposes with an acceptable level of performance. This type of product is intended for domestic use only in situations where fires of limited proportions are anticipated because of the nature of some process or activity, where the possibility of fire spreading to other materials is remote, or where people are present at the likely times of risk. These products are not intended to supplant extinguishers that comply with EN 3.

Special attention is drawn to Directive 75/324/EEC of 20 May 1975, on the approximation of the laws of the member states relating to Aerosol Dispensers, Directive 2008/47/EC and Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers.

1 Scope

This document specifies the requirements for non-refillable portable aerosol dispensers for fire extinguishing purposes.

It supplements the characteristics, performance and test methods for extinguishing aerosol dispensers for fire extinguishing purposes, in addition to the requirements of the Directive 75/324/EEC. Requirements in this document are specified for products containing less than 1 kg or 1 l of extinguishing media, which can be expelled by the action of internal pressure and are intended to extinguish test fires of type A + B, or type A + F, or type A + B + F classes of EN 2. These extinguishing aerosol dispensers are intended to be used by untrained persons for domestic applications. They are not intended to be used on gas fires (class C) and metal fires (class D).

Requirements are specified for minimum performance in Annex I for extinguishing test fires of type A, type B and type F classes of EN 2, as appropriate.

Annex A gives the conditioning to be applied to extinguishing aerosol dispensers prior to testing as described in Annex B to Annex K.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2, *Classification of fires*

EN 3 (all parts), *Portable Fire Extinguishers*

EN 615, *Fire protection - Fire extinguishing media - Specifications for powders (other than class D powders)*

EN 1568-3, *Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids*

EN 1568-4, *Fire extinguishing media - Foam concentrates - Part 4: Specification for low expansion foam concentrates for surface application to water-miscible liquids*

EN 14848, *Aerosol containers - Metal containers with 25,4 mm aperture - Dimensions of valve cups*

EN 14850, *Aerosol containers - Metal containers with 25,4 mm aperture - Measurement of contact height*

EN 15006, *Metal aerosol containers - Aluminium containers - Dimensions of the 25,4 mm aperture*

EN 15008, *Aerosol containers - Aluminium containers - Dimensions of one-piece cans with 25,4 mm aperture*

EN ISO 9227, *Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2017)*

ISO 657-1, *Hot-rolled steel sections — Part 1: Equal-leg angles — Dimensions*

ISO 4470, *Sawn timber — Determination of the average moisture content of a lot*