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Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/21

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EUROPEAN STANDARD

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English Version

Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking

Appareils de protection respiratoire - Filtres anti-gaz et filtres combinés - Exigences, essais, marquage

Atemschutzgeräte - Gasfilter und Kombinationsfilter - Anforderungen, Prüfung, Kennzeichnung

This European Standard was approved by CEN on 4 January 2021.

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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 14387:2021 (E)**European foreword**

This document (EN 14387:2021) has been prepared by Technical Committee CEN/TC 79 “Respiratory protective devices”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by August 2021, and conflicting national standards shall be withdrawn at the latest by August 2021.

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.

This document supersedes EN 14387:2004+A1:2008.

The following changes have been made compared to EN 14387:2004+A1:2008:

- a) definitions and symbols added;
- b) description deleted;
- c) nominal values and tolerances changed;
- d) use of a risk assessment, e.g. a Failure Modes and Effect Analysis (FMEA), added;
- e) twin filters added;
- f) clogging deleted;
- g) in Table 1 column referring to maximum resistance after clogging deleted;
- h) values in Table 2, Gas capacity and test conditions of gas filters of types A, B, E and K, changed;
- i) visual inspection changed to inspection and detailed list inserted;
- j) all figures adapted to the changes made in the test procedures, where appropriate.

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(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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

1 Scope

This document refers to gas filters and combined filters for use as replaceable components in unassisted respiratory protective devices (RPD) with the exception of escape devices.

Filters for use against CO are excluded from this document.

Laboratory tests are included for the assessment of compliance with the requirements.

Some filters complying with this document can also be suitable for use with assisted respiratory protective devices and/or escape devices. If so they need to be tested and marked in accordance with the appropriate European Standard.

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 134:1998, *Respiratory protective devices - Nomenclature of components*

EN 143:2021, *Respiratory protective devices - Particle filters - Requirements, testing, marking*

EN 148-1:2018, *Respiratory protective devices - Threads for facepieces - Part 1: Standard thread connection*

EN 13274-3:2001, *Respiratory protective devices - Methods of test - Part 3: Determination of breathing resistance*

EN 13274-7:2019, *Respiratory protective devices - Methods of test - Part 7: Determination of particle filter penetration*

EN ISO 16972:2020, *Respiratory protective devices - Vocabulary and graphical symbols (ISO 16972:2020)*

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