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Particulate air filters for general ventilation -
Standardised dimensions

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 15805:2021 sisaldab Euroopa standardi EN 15805:2021 ingliskeelset teksti.	This Estonian standard EVS-EN 15805:2021 consists of the English text of the European standard EN 15805:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.12.2021.	Date of Availability of the European standard is 22.12.2021.
Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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EUROPEAN STANDARD

EN 15805

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 91.140.30

Supersedes EN 15805:2009

English Version

Particulate air filters for general ventilation - Standardised dimensions

Filtres à air de ventilation générale pour l'élimination des particules - Dimensions normalisées

Partikel-Luftfilter für die allgemeine Raumlufttechnik - Standardisierte Abmessungen

This European Standard was approved by CEN on 22 November 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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European foreword

This document (EN 15805:2021) has been prepared by Technical Committee CEN/TC 195 “Air filters for general air cleaning”, the secretariat of which is held by UNI.

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 June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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 15805:2009.

In comparison with the previous edition, the following technical modifications have been made:

- update of normative references;
- revision of Figure 1;
- revision of Table 1.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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 specifies the header frame dimensions of air filters for general ventilation to be used in air handling units, air intake system filters for rotary machinery and other applications. This includes pocket filters, rigid (V type) filters and filters to which header frame dimensions are applicable.

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 ISO 29464:2019, *Cleaning of air and other gases - Terminology (ISO 29464:2017)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 29464:2019 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

face dimensions

width (W) and height (H) of the overall filter

Note 1 to entry: See Figure 1.

3.2

header frame

integral rigid frame of a filter enabling it to be fastened and sealed against the *holding frame* (3.3)

[SOURCE: EN ISO 29464:2019, 3.1.29]

3.3

holding frame

rigid structural frame, part of air handling system into which filters are fastened and sealed

[SOURCE: EN ISO 29464:2019, 3.1.30]