



SLOVENSKI STANDARD
SIST EN 15805:2022

01-marec-2022

Nadomešča:
SIST EN 15805:2010

Zračni filtri za delce pri splošnem prezračevanju - Standardne mere

Particulate air filters for general ventilation - Standardised dimensions

Partikel-Luftfilter für die allgemeine Raumlufttechnik - Standardisierte Abmessungen

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

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Ta slovenski standard je istoveten z: EN 15805:2021

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ICS:

91.140.30	Prezračevalni in klimatski sistemi	Ventilation and air-conditioning systems
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EUROPEAN STANDARD

EN 15805

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2021

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.

CEN members are the national standards bodies of 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 United Kingdom.

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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.

EN 15805:2021 (E)**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

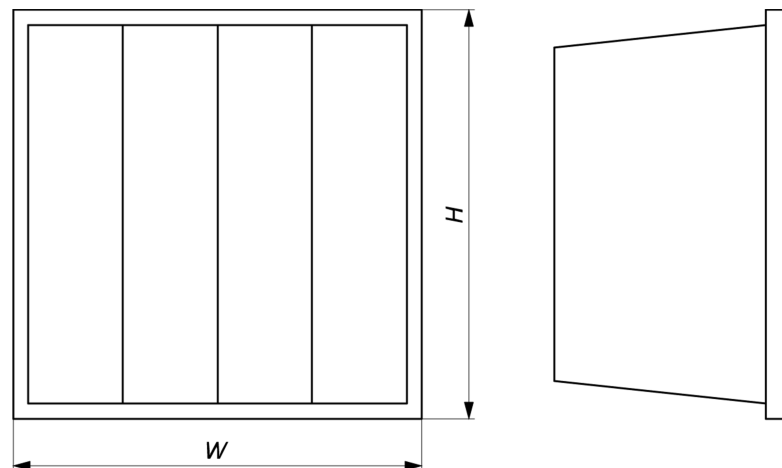
integral rigid frame of a filter enabling it to be fastened and sealed against the *holding frame* (3.3)

[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]

**Key** W width of the overall filter H height of the overall filter**Figure 1 — Face dimensions of the air filter****4 Face dimensions**

The face dimensions are indicated in Table 1. Permissible tolerances for holding frame dimensions are + 0 mm and - 2 mm. Permissible tolerances for filter face dimensions (header frame dimensions) are + 3 mm and - 2 mm.

Table 1 — Face dimensions

Holding frame dimensions (Nominal dimensions) ^a		Filter face dimensions (Header frame dimensions)	
Width mm	Height mm	Width mm	Height mm
610	610	592	592
508	610	490	592
610	508	592	490
305	610	287	592
610	305	592	287
305	508	287	490
508	305	490	287
305	305	287	287

^a Holding frame nominal dimensions are reported for information only. Holding frame dimensions shall be adapted to match the header frame dimensions defined in this document.