



SLOVENSKI STANDARD
oSIST prEN 15805:2020
01-junij-2020

Zračni filtri za delce pri splošnem prezračevanju - Standardne mere

Particulate air filters for general ventilation - Standardised dimensions

Partikel-Luftfilter für die allgemeine Raumluftechnik - Standardisierte Abmessungen

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

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ICS:

91.140.30	Prezračevalni in klimatski sistemi	Ventilation and air-conditioning systems
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 15805

March 2020

ICS

Will supersede 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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 195.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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 (prEN 15805:2020) has been prepared by Technical Committee CEN/TC 195 “Air filters for general air cleaning”, the secretariat of which is held by UNI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15805:2009.

This document deals with the dimensions of air filters for general ventilation.

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

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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 29464:2017, *Cleaning of air and other gases — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 29464:2017 and the following apply.

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

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

3.1 face dimensions

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

Note 1 to entry: See Figure 1.

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3.2 header frame

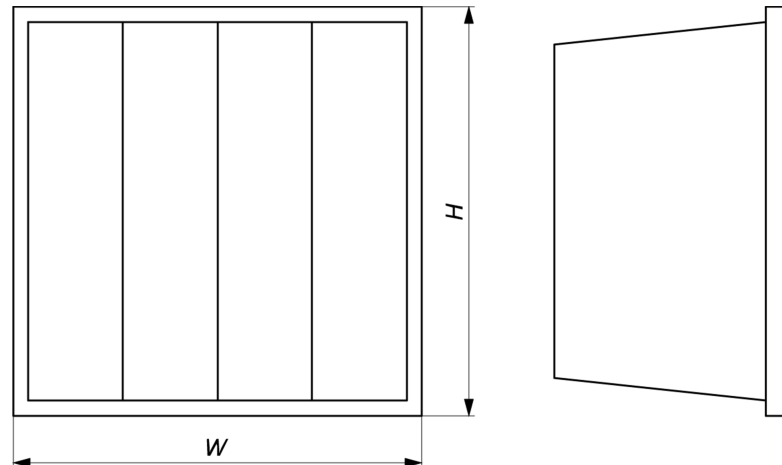
integral rigid frame of a filter enabling it to be fastened and sealed against the *holding frame* (3.3)

[SOURCE: EN ISO 29464:2017, definition 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 29464:2017, definition 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 dimensions) are + 3 mm and - 2 mm.

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Table 1 — Face dimensions

Holding frame dimensions (Nominal dimensions) a)		Filter face dimensions (Header 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. Actual holding frame dimensions shall be adapted to match the header dimensions defined in this document.

The header frames dimensions shall be 18 mm smaller than the external dimensions of the corresponding holding frames.