



# SLOVENSKI STANDARD oSIST prEN 16282-7:2024

01-december-2024

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## Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 7. del: Vgradnja in delovanje vgrajenih sistemov za gašenje

Equipment for commercial kitchens - Components for ventilation in commercial kitchens -  
Part 7: Installation and use of fixed fire extinguishing systems

Einrichtungen in gewerblichen Küchen - Elemente zur Be- und Entlüftung - Teil 7: Einbau  
und Betrieb von stationären Feuerlöschanlagen

Équipement pour cuisines professionnelles - Éléments de ventilation pour cuisines  
professionnelles - Partie 7 : Installation et utilisation de systèmes fixes de lutte contre  
l'incendie

**Ta slovenski standard je istoveten z: prEN 16282-7**

<https://standards.iteh.ai/catalog/standards/sist/13a18eb9-e860-4c98-9cf2-70eef3cf7941/osist-pren-16282-7-2024>

### **ICS:**

13.220.10	Gašenje požara	Fire-fighting
91.140.30	Prezračevalni in klimatski sistemi	Ventilation and air-conditioning systems
97.040.99	Druga kuhinjska oprema	Other kitchen equipment

**oSIST prEN 16282-7:2024**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 16282-7**

October 2024

ICS 97.040.99

Will supersede EN 16282-7:2017+A1:2021

English Version

## Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire extinguishing systems

Équipement pour cuisines professionnelles - Éléments  
de ventilation pour cuisines professionnelles - Partie 7  
: Installation et utilisation de systèmes fixes de lutte  
contre l'incendie

Einrichtungen in gewerblichen Küchen - Elemente zur  
Be- und Entlüftung - Teil 7: Einbau und Betrieb von  
stationären Feuerlöschanlagen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 156.

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.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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## European foreword

This document (prEN 16282-7:2024) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

The activities of CEN/TC 156/WG 14, cover the calculation of the air volume and the design and testing of major components for ventilation equipment and systems for commercial kitchens.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 16282-7:2017+A1:2021.

prEN 16282-7:2024 includes the following significant technical changes with respect to EN 16282-7:2017+A1:2021:

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The structure of the series is as follows:

EN 16282 *Equipment for commercial kitchens — Components for ventilation in commercial kitchens*

— *Part 1: General requirements including calculation method*

— *Part 2: Kitchen ventilation hoods; Design and safety requirements*

— *Part 3: Kitchen ventilation ceilings; Design and safety requirements*

— *Part 4: Air inlets and outlets; Design and safety requirements*

— *Part 5: Air duct; Design and dimensioning*

— *Part 6: Aerosol separators; Design and safety requirements*

— *Part 7: Installation and use of fixed fire extinguishing systems*

— *Part 8: Installations for treatment of cooking fumes; Requirements and testing*

This document comprises guidelines for fixed fire extinguishing systems, when installed, to secure a best possible protection for personnel and property.

## prEN 16282-7:2024 (E)

### 1 Scope

This document is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment are washed and cleaned, food is stored, and food waste areas.

This document specifies requirements and gives recommendations for the configuration, installation, testing, maintenance and safety of fixed kitchen fire extinguishing systems within the design of commercial kitchens in buildings. It is applicable for fire extinguishing systems providing appliance-specific protection as well as overlapping zone protection.

This document provides the guidelines to install fixed fire extinguishing systems to protect against grease fires on the cooking appliances in the extract ventilation system. This document includes recommendations for the certification of system hardware, as well as design, installation and maintenance of the system.

Unless otherwise specified, the requirements of this document are checked by way of inspection and/or measurement.

**NOTE** Please note the possible existence of additional or alternative local national regulations on installation, appliance requirements and inspection, maintenance and operation.

This document is applicable to kitchen ventilation systems excluding those in domestic kitchens.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10088-1, *Stainless steels - Part 1: List of stainless steels*

EN 16282-3:2016+A1:2021, *Equipment for commercial kitchens — Components for ventilation in commercial kitchens — Part 3: Kitchen ventilation ceilings — Design and safety requirements*

EN 17446, *Fire extinguishing systems in commercial kitchens - System design, documentation, and test requirements*

EN/TS 17749, *Fire extinguishing systems in commercial kitchens - System design, documentation, and test requirements - Fire test procedures for plenum and ducts*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **fire extinguishing system**

fixed system, which automatically detects and extinguishes fires

#### 3.2

##### **fire detection system**

installation which detects fire and activates the fire extinguishing system