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**Oprema za komercialne kuhinje - Sestavni deli za prezračevanje v komercialnih kuhinjah - 7. del: Inštalacije in delovanje stalnih sistemov za gašenje**

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

Großküchengeräte - Einrichtungen zur Be- und Entlüftung von gewerblichen Küchen - 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

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

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

Großküchengeräte - Einrichtungen zur Be- und Entlüftung  
von gewerblichen Küchen - 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.

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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

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## Foreword

This document (prEN 16282-7:2014) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

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.

The structure of the standard series is as follows:

prEN 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 suppression systems*
- *Part 8: Installations for treatment of cooking fumes; Requirements and testing*
- *Part 9: Capture and containment performance of extraction systems – Test methods*

## 1 Scope

This European Standard specifies requirements and gives recommendations for the design, installation, testing, maintenance and safety of kitchen fire suppression systems in buildings.

This European Standard 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 is washed, cleaned, food is stored and food waste areas and restaurant areas.

This European Standard is not applicable to domestic kitchens or industrial food processing facilities.

Unless otherwise specified, the requirements of this standard shall be 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.

## 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 ISO 9001, *Quality management systems – Requirements*

## 3 Terms and definitions

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

### 3.1

#### **fire suppression system**

fixed system, which automatically detects and extinguishes fires

### 3.2

#### **fire detection systems**

installation which detects fire and activates the fire suppression system

### 3.3

#### **cylinders**

vessels designed to contain the fire suppressing media

### 3.4

#### **nozzle**

device used to discharge the fire suppressing media

### 3.5

#### **servicing**

all measures required to keep the system operational and to identify the system's condition

Note 1 to entry: Fire extinguishers have to be inspected and maintained to ensure their functional readiness at all times