Draft for Public Comment

Form 36

DPC: 24/30481820 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000
Fax: +44 (0)20 8996 7400
www.bsigroup.com

Date: 10 October 2024
Origin: European

Latest date for receipt of comments: 03 December 2024

Project No. 2023/02449

Responsible committee: RHE/2 Ventilation for buildings, heating and hot water services

Interested committees:

Title: Draft BS EN 16282-7 BS Equipment for commercial kitchens - Components for ventilation in commercial kitchens. Part 7: Installation and use of fixed fire extinguishing systems.
Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard i) has any issues related to 3rd party IPR, patent or copyright ii) affects other national standard(s) iii) requires additional national guidance or information

WARNING: THIS IS A DRAFT AND MUST NOT BE REGARDED OR USED AS A BRITISH STANDARD. THIS DRAFT IS NOT CURRENT BEYOND 03 December 2024

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

No copying is allowed, in any form, without prior written permission from BSI except as permitted under the Copyright, Designs and Patent Act 1988 or for circulation within a nominating organization for briefing purposes. Electronic circulation is limited to dissemination by e-mail within such an organization by committee members.

Further copies of this draft may be purchased from BSI Shop http://shop.bsigroup.com or from BSI Customer Services, Tel: +44(0) 20 8996 9001 or email cservices@bsigroup.com. British, International and foreign standards are also available from BSI Customer Services.

Information on the co-operating organizations represented on the committees referenced above may be obtained from https://standardsdevelopment.bsigroup.com/.

Responsible Committee Secretary: Ms Rosie Harper (BSI)
Direct tel: 0208 996 7333
E-mail: rosie.harper@bsigroup.com

Documents
Document Sharing Hub
Full document details: 24/30481820 DC

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at **https://standardsdevelopment.bsigroup.com/**. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex **(e.g. 3.1)**	Paragraph/ Figure/Table/Note	**Type of comment**	**Commend (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations on each comment submitted**
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

Documents
Document Sharing Hub

Full document details: 24/30481820 DC

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.

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, Türkiye and United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2024 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. prEN 16282-7:2024 E

Documents
Document Sharing Hub

Full document details: 24/30481820 DC

Contents

Page

European foreword ... 3
1 Scope ... 4
2 Normative references ... 4
3 Terms and definitions ... 4
4 Fire hazard/fire load ... 5
4.1 General requirements ... 5
4.2 Kitchen equipment classification according to the fire load and risk ... 6
4.2.1 General ... 6
4.2.2 Installation of a fire extinguishing system ... 6
5 Components ... 6
5.1 General ... 6
5.2 Fire detection system ... 6
5.3 Container ... 7
5.4 Extinguishing pipework ... 7
5.5 Extinguishing agent ... 7
5.6 Manual release device ... 7
6 Safety requirements ... 7
6.1 General ... 7
6.2 Shut down functions ... 8
6.3 Obstructions of spray patterns ... 8
6.4 Backup protection ... 8
6.5 Electrical equipment ... 8
6.6 Declaration of conformity of the fire extinguishing system ... 8
7 Hygienic requirement ... 9
8 Maintenance and documentation ... 9
9 Design and installation ... 10
9.1 General ... 10
9.2 Installation instructions ... 10
9.3 Commissioning and training ... 10
9.4 Operating instructions ... 10
10 Marking ... 11
Bibliography ... 12

Documents
Document Sharing Hub
Full document details: 24/30481820 DC

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:

—

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.

Documents
Document Sharing Hub
Full document details: 24/30481820 DC