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BS EN 16475-3:2016



BSI Standards Publication

Chimneys — Accessories

Part 3: Draught regulators, standstill opening devices and combined secondary air devices — Requirements and test methods

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A list of organizations represented on this committee can be obtained on request to its secretary.

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Chimneys - Accessories - Part 3: Draught regulators, standstill opening devices and combined secondary air devices - Requirements and test methods

Conduits de fumée - Accessoires - Partie 3: Régulateurs de tirage, dispositifs d'ouverture pour période d'arrêt et dispositifs combinés d'air secondaire - Exigences et méthodes d'essai

Abgasanlagen - Zubehörteile - Teil 3: Selbsttätig arbeitende, zwangsgesteuerte und kombinierte Nebenluftvorrichtungen - Anforderungen und Prüfmethoden

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European foreword

This document (EN 16475-3:2016) has been prepared by Technical Committee CEN/TC 166 "Chimneys", the secretariat of which is held by ASI.

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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by January 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Introduction

This standard forms a part of the series of standards for chimney accessories:

- *Part 1: Silencers*
- *Part 2: Chimney fans*
- *Part 3: Draught regulators, standstill opening devices and combined secondary air devices (this part)*
- *Part 4: Flue dampers*
- *Part 5: Explosion/implosion relief devices*
- *Part 6: Access components*
- *Part 7: Rain caps*

Independent draught regulators are for the purpose of reducing negative pressure that is too large in the chimney, which can result through the use of commercially available cross-section dimensions, despite being designed e.g. according to EN 13384-1:2015, *Calculation method for chimneys serving single appliance*. They serve to increase the flue gas speed and the ventilation of the chimney, for the purpose of drying out (see explanations).

Standstill opening devices interlocked with the combustion system are exclusively for the purpose of ventilating the chimney during standby.

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1 Scope

This European Standard specifies the requirements and test methods for draught regulators, standstill opening devices and combined secondary air devices that are used as components, carrying flue gases, in order to limit the draught in chimneys and provide secondary air to the chimney.

Draught regulators, standstill opening devices and combined secondary air devices for positive pressure chimneys are not covered by this standard.

It also specifies the requirements for marking, manufacturers' instruction, product information and attestation and verification of constancy of performance (AVCP).

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 1443, *Chimneys — General requirements*

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

EN 10346, *Continuously hot-dip coated steel flat products for cold forming — Technical delivery conditions*

EN 13216-1, *Chimneys — Test methods for system chimneys — Part 1: General test methods*

EN 60730-2-14, *Automatic electrical controls for household and similar use — Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14)*

EN 61058-1, *Switches for appliances — Part 1: General requirements (IEC 61058-1)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1443, and the following apply.

3.1

draught regulator

device with a hinged flap in a flue opening to allow entry of secondary air into the flue to regulate the draught

3.2

standstill opening device

device which is opened motorised to allow air to enter the flue during the standstill period of the heating appliance

3.3

combined secondary air device

combination of a draught regulator and standstill opening device