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Chimneys - Accessories - Part 1: Chimney silencers - Requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Chimneys - Accessories - Part 1: Chimney silencers - Requirements and test methods

Conduits de fumée - Accessoires - Partie 1 : Silencieux
pour conduits de fumée - Exigences et méthodes
d'essai

Abgasanlagen - Zubehörteile - Teil 1: Schalldämpfer für
Abgasanlagen - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 5 November 2018.

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EN 16475-1:2020 (E)**European foreword**

This document (EN 16475-1:2020) 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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by January 2022.

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

This document on “Chimneys — Accessories” consists of the following parts:

- *Part 1: Chimney Silencers — Requirements and test methods (this part)*
- *Part 2: Chimney fans — Requirements and test methods*
- *Part 3: Draught regulators, standstill opening devices and combined secondary air devices — Requirements and test methods*
- *Part 4: Flue dampers — Requirements and test methods*
- *Part 6: Access components — Requirements and test methods*
- *Part 7: Rain caps — Requirements and test methods*

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Introduction

In November 2009 CEN/TC 166 assigned TG 1 of CEN/TC 166/WG 1 the task to develop this document for chimney accessories and issued a preliminary work item.

EN 16475-1:2020 (E)

1 Scope

This document specifies requirements and test methods for flue gas silencers made of metal that are used as accessories in order to reduce the noise level of combustion appliances.

The document covers silencers in the connecting flue pipes and on top of chimneys.

This document does not cover silencers installed as chimney sections. This document excludes active silencers.

Components tested together with the liner or system chimney are not covered by this document.

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 1443, *Chimneys - General requirements*

EN 1602, *Thermal insulating products for building applications - Determination of the apparent density*

EN 1856-1:2009, *Chimneys - Requirements for metal chimneys - Part 1: System chimney products*

EN 1856-2:2009, *Chimneys - Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes*

EN 1859:2009+A1:2013, *Chimneys - Metal chimneys - Test methods*

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

EN 13470, *Thermal insulating products for building equipment and industrial installations - Determination of the apparent density of preformed pipe insulation*

EN 14303:2015, *Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products - Specification*

EN 15287-1:2007+A1:2010, *Chimneys - Design, installation and commissioning of chimneys - Part 1: Chimneys for non-roomsealed heating appliances*

EN ISO 7235:2009, *Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss (ISO 7235:2003)*

EN ISO 11691, *Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method (ISO 11691)*

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