
Dimniki - Računske metode termodinamike in dinamike fluidov - 1. del: Dimniki za eno kurilno napravo

Chimneys - Thermal and fluid dynamic calculation methods - Part 1: Chimneys serving one combustion appliance

Abgasanlagen - Wärme- und strömungstechnische Berechnungsverfahren - Teil 1: Abgasanlagen mit einer Verbrennungseinrichtung

Conduits de fumée - Méthodes de calcul thermoaéraulique - Partie 1: Conduits de fumée ne desservant qu'un seul appareil à combustion

Ta slovenski standard je istoveten z: prEN 13348-1

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**Chimneys - Thermal and fluid dynamic calculation
methods - Part 1: Chimneys serving one combustion
appliance**

Conduits de fumée - Méthodes de calcul thermo-
aérodynamique - Partie 1: Conduits de fumée ne desservant
qu'un seul appareil à combustion

Abgasanlagen - Wärme- und strömungstechnische
Berechnungsverfahren - Teil 1: Abgasanlagen mit einer
Verbrennungseinrichtung

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European foreword

This document (prEN 13384-1:2025) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by ASI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13384-1:2015+A1:2019.

In comparison to EN 13384-1-2015+A1:2019 the following technical changes are given:

- editorial mistakes have been corrected;
- in Table B.1 new fuels have been added;
- a clarification is made for the ζ -values of terminals, linked to static pressure;
- the calculation methods were extended to include the O₂ content of the flue gas;
- for concentric duct the simplified heat transfer calculation method based on S_{rad} has been deleted. Therefore, the detailed calculation method has been modified;
- the pressure requirements for negative pressure chimneys have been modified for a possible connection of a positive pressure combustion appliance with a total or partly positive pressure connection pipe;
- remarks are added for the temperature requirement;
- introduction of a new mass flow factor for on all sides open fire places;
- introduction of a new formula for calculation of thermal resistance of the air gap;
- remarks are added for calculation of draught regulators for balanced flue chimneys;
- a new Annex E “Example for a report about input and output data of the calculation” has been created.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

EN 13384, “Chimneys — Thermal and fluid dynamic calculation methods” consists of three Parts:

- Part 1: *Chimneys serving one combustion appliance*
- Part 2: *Chimneys serving more than one combustion appliance*
- Part 3: *Methods for the development of diagrams and tables for chimneys serving one heating appliance*