
Grelne naprave na trdna goriva za stanovanjske stavbe - 2-9. del: Naprave za serijsko kurjenje lesnih peletov v košarah za gorivo

Residential solid fuel burning appliances - Part 2-9: Appliances fired batchwise with wood pellets in fuel baskets

Häusliche Feuerstätten für feste Brennstoffe - Teil 2-9: Geräte, die chargenweise mit Holzpellets in Brennstoffkörben befeuert werden

Appareils de chauffage domestiques à combustible solide - Partie 2-9: Appareils alimentés par charge de granulés en panier

Ta slovenski standard je istoveten z: prEN 16510-2-9

[oSIST prEN 16510-2-9:2026](https://standards.slo.si/catalog/standards/sist/8030afcc-e88f-456c-9c86-24a6cd4b76f0/osist-pr-en-16510-2-9-2026)

<https://standards.slo.si/catalog/standards/sist/8030afcc-e88f-456c-9c86-24a6cd4b76f0/osist-pr-en-16510-2-9-2026>

ICS:

97.100.30	Grelniki na trdo gorivo	Solid fuel heaters
-----------	-------------------------	--------------------

oSIST prEN 16510-2-9:2026

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 16510-2-9

January 2026

ICS 97.100.30

English Version

**Residential solid fuel burning appliances - Part 2-9:
Appliances fired batchwise with wood pellets in fuel
baskets**

Appareils de chauffage domestiques à combustible
solide - Partie 2-9 : appareils alimentés par charge de
granulé en panier

Häusliche Feuerstätten für feste Brennstoffe - Teil 2-9:
Geräte, die chargenweise mit Holzpellets in
Brennstoffkörben befeuert werden

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 295.

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

Contents	Page
European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Characteristics	6
4.1 Load bearing capacity	6
4.2 Subclause title	6
4.3 Carbon monoxide emission (CO).....	7
4.4 Nitrogen oxides (NO _x) emissions	8
4.5 Emission of organic gaseous compounds (OGC).....	8
4.6 Particulate matter (PM) emissions	8
4.7 Safety and accessibility in use	9
4.7.1 General.....	9
4.7.2 Flue gas outlet temperature at nominal heat output.....	9
4.7.3 Flue gas outlet temperature at part load heat output	9
4.7.4 Minimum flue draught at nominal heat output	9
4.7.5 Minimum flue draught at part load heat output	9
4.7.6 Flue gas mass flow at nominal heat output	10
4.7.7 Flue gas mass flow at part load heat output.....	10
4.7.8 Fire safety of installation to the chimney.....	10
4.8 Energy economy and heat retention.....	10
4.8.1 Space heat output at nominal heat output.....	10
4.8.2 Water heat output, if existing at nominal heat output	11
4.8.3 Efficiency at nominal heat output.....	11
4.8.4 Space heat output at part load heat output	11
4.8.5 Water heat output, if existing at part load heat output.....	11
4.8.6 Efficiency at part load heat output	11
4.8.7 Seasonal space heating efficiency at appliance's nominal heat output.....	11
4.8.8 Energy efficiency	12
4.8.9 Electric power consumption at nominal heat output, if existing	13
4.8.10 Electric power consumption at part load heat output, if existing.....	13
4.8.11 Standby mode power consumption, if existing.....	13
4.9 Environmental sustainability.....	13
5 Descriptive features	15
5.1 Data for potential use with room ventilation systems: type of appliance (in relation to its tightness to the room).....	15
5.2 Data for the building's statics: appliance's mass.....	15
5.3 Materials and construction elements	15
5.3.1 General.....	15
5.3.2 General stresses	15
5.3.3 Pellet basket compartment	16
5.4 Risk of burning fuel falling out.....	16
5.5 Temperature rise in the fuel storage, if any.....	16
5.6 Temperature rise of the operating components	16
5.7 Spillage of flue gases into the room.....	16

5.7.1	Possible spillage of CO, if relevant for the fuel type	16
5.8	Cleanability	16
5.8.1	Heating surfaces.....	16
5.8.2	Flueways	16
5.8.3	Ashpan	16
5.8.4	bottomgrate.....	16
5.8.5	Pellet basket bottomgrid	16
5.8.6	Damper	17
5.8.7	Fan-cut-out-device	17
6	Assessment and verification of constancy of performance - AVCP	17
6.1	General	17
6.2	Assessment of performance.....	17
6.2.1	General	17
6.2.2	Test samples, testing and compliance criteria.....	18
6.3	Verification of constancy of performance.....	19
6.3.1	Factory production control (FPC)	19
	Annex A (normative) Test methods	24
	Annex IA (informative) Operating principle of the batchwise basket pellet-fed roomheater	30

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 16510-2-9:2026](https://standards.iteh.ai/catalog/standards/sist/8030afcc-c88f-456c-9cb6-24a6cd4b76f6/osist-pren-16510-2-9-2026)

<https://standards.iteh.ai/catalog/standards/sist/8030afcc-c88f-456c-9cb6-24a6cd4b76f6/osist-pren-16510-2-9-2026>