



SLOVENSKI STANDARD

SIST EN 30-2-1:2025

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Nadomešča:
SIST EN 30-2-1:2015

Plinski gospodinjski aparati za kuhanje - 2-1. del: Smotrna raba energije - Splošno

Domestic cooking appliances burning gas - Part 2-1: Rational use of energy - General

Haushalt-Kochgeräte für gasförmige Brennstoffe - Teil 2-1: Rationelle Energienutzung - Allgemeines

Appareils de cuisson domestiques utilisant les combustibles gazeux - Partie 2-1 : Utilisation rationnelle de l'énergie - Généralités

Ta slovenski standard je istoveten z: **EN 30-2-1:2024**

SIST EN 30-2-1:2025

<https://standards.iteh.ai/catalog/standards/sist/14cfe476-861b-491d-afbd-5c271bf6e508/sist-en-30-2-1-2025>

ICS:

97.040.20	Štedilniki, delovni pulti, pečice in podobni aparati	Cooking ranges, working tables, ovens and similar appliances
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en,fr,de

EUROPEAN STANDARD

EN 30-2-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2024

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Supersedes EN 30-2-1:2015

English Version

Domestic cooking appliances burning gas - Part 2-1: Rational use of energy - General

Appareils de cuisson domestiques utilisant les combustibles gazeux - Partie 2-1 : Utilisation rationnelle de l'énergie - Généralités

Haushalt-Kochgeräte für gasförmige Brennstoffe - Teil 2-1: Rationelle Energienutzung - Allgemeines

This European Standard was approved by CEN on 9 December 2024.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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European foreword

This document (EN 30-2-1:2024) has been prepared by Technical Committee CEN/TC 49 “Gas cooking appliances”, the secretariat of which is held by UNI.

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 June 2025, and conflicting national standards shall be withdrawn at the latest by December 2027.

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 supersedes EN 30-2-1:2015.

The main modifications in this document with reference to the previous edition, EN 30-2-1:2015, are:

- the alignment to the last edition of the referenced standards;
- the addition in Table 1 of information for testing burners with nominal heat input between 0,8 kW and 1,15 kW inclusive.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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

This document covers type testing.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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 the United Kingdom.

EN 30-2-1:2024 (E)

1 Scope

This document specifies the requirements and the methods of test for the rational use of energy of gas burning domestic cooking appliances, in accordance with EN 30-1-1:2021+A1:2023, Clause 1.

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 30-1-1:2021+A1:2023, *Domestic cooking appliances burning gas — Part 1-1: Safety — General*

EN 15181:2017+A1:2020, *Measuring method of the energy consumption of gas fired ovens*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 30-1-1:2021+A1:2023, as well as the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

maintenance heat input of the oven

quantity of heat to be released per unit of time by the gas combustion, in order to maintain the oven temperature constant

Note 1 to entry: Notion: Ce

Unit: kilowatt (kW)

4 Performance characteristics

4.1 Efficiency

4.1.1 Uncovered burners

Under the test conditions described in 5.2.1, the efficiency of any uncovered burner ($EE_{\text{gas burner}}$) with a nominal heat input higher than or equal to 0,8 kW, calculated as per Formula (2), shall reach a minimum of 52 %.

4.1.2 Covered burners

Under the conditions described in 5.2.2, the efficiency of any covered burner shall reach a minimum of:

- 1) 25 % (from cold);
- 2) 35 % (from hot).

4.1.3 Hob

The efficiency of the gas hob shall be determined according to 5.2.3 and under the test conditions specified in 5.2.1.