

**Suitsulõõrita autonoomne  
gaaskütteseade nimisoojatootlikkusega  
kuni 6 kW**

Independent gas-fired flueless space heaters for  
nominal heat input not exceeding 6 kW

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14829:2007 sisaldab Euroopa standardi EN 14829:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.10.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14829:2007 consists of the English text of the European standard EN 14829:2007.</p> <p>This document is endorsed on 30.10.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This document specifies, for the purpose of type examination, the requirements and test methods for construction, safety, marking and rational use of energy of 2nd and 3rd family gas-fired domestic flueless space heating appliances having a nominal input not exceeding 6 kW (based on net calorific value).</p>	<p><b>Scope:</b> This document specifies, for the purpose of type examination, the requirements and test methods for construction, safety, marking and rational use of energy of 2nd and 3rd family gas-fired domestic flueless space heating appliances having a nominal input not exceeding 6 kW (based on net calorific value).</p>
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Võtmesõnad:

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English Version

## Independent gas-fired flueless space heaters for nominal heat input not exceeding 6 kW

Appareils de chauffage domestiques non raccordés indépendants utilisant les combustibles gazeux pour un débit calorifique nominal inférieur ou égal à 6 kW

Konvektions-Raumheizer ohne Abgasabführung für gasförmige Brennstoffe mit einer Nennwärmebelastung kleiner oder gleich 6 kW

This European Standard was approved by CEN on 24 June 2007.

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## Foreword

This document (EN 14829:2007) has been prepared by Technical Committee CEN/TC 62 "Independent gas-fired space heaters", the secretariat of which is held by BSI.

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 February 2008, and conflicting national standards shall be withdrawn at the latest by February 2008.

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 Directive(s), 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This document specifies, for the purpose of type examination, the requirements and test methods for construction, safety, marking and rational use of energy of 2<sup>nd</sup> and 3<sup>rd</sup> family gas-fired domestic flueless space heating appliances having a nominal input not exceeding 6 kW (based on net calorific value).

It covers the following Type A<sub>AS</sub> fixed flueless heaters:

NOTE These are type A appliances fitted with an atmosphere sensing device, with or without a fan.

- a) heaters with or without a catalytic converter;
- b) Category 1 appliances burning gases of the second family;
- c) Category 2 appliances burning gases of the second and third families.

It does not cover

- i. Mobile heaters.
- ii. Category 1 appliances burning gases of the third family.
- iii. Portable flueless heaters.
- iv. Diffusive catalytic combustion heaters.

There are no specific thermal efficiency requirements appropriate to these types of appliance as:

- All the heat produced by the combustion process is released into the space to be heated.
- The requirements with regard to the combustion performance, which is a safety matter, ensure the effective burning of the fuel gas.

This standard is only applicable to appliances which are to be type tested. Matters related to quality assurance systems, tests during production and to certificates of conformity of auxiliary devices are not dealt with by this standard.

## 2 Normative references

The following referenced documents are indispensable for the application 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 88-1, *Pressure regulators and associated safety devices for gas appliances – Part 1: Pressure regulators for inlet pressures up to and including 500 mbar*

EN 125, *Flame supervision devices for gas burning appliances — Thermoelectric flame supervision devices*

EN 126, *Multifunctional controls for gas burning appliances*

EN 161, *Automatic shut-off valves for gas burners and gas appliances*

EN 257, *Mechanical thermostats for gas-burning appliances*

EN 298, *Automatic gas burner control systems for gas burners and gas burning appliances with or without fans*

EN 437:2003, *Test gases - Test pressures - Appliance categories*

EN 751-1, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 1: Anaerobic jointing compounds*

EN 751-2, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 2: Non-hardening jointing compounds*

EN 1057:2006, *Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications*

CR 1404, *Determination of emissions from appliances burning gaseous fuels during type-testing*

EN 60068-2-75, *Environmental testing - Part 2: Tests - Test Eh: Hammer tests (IEC 60068-2-75:1997)*

EN 60335-1:2002, *Household and similar electrical appliances – Safety - Part 1: General requirements (IEC 60335- 1:2001, modified)*

EN 60335-2-102, *Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2004, modified)*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)*

EN 60730-2-9, *Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls (IEC 60730-2-9:2000, modified)*

EN ISO 228-1:2003 *Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation (ISO 228-1:2000)*

EN ISO 3166-1, *Codes for the representation of names of countries and their subdivisions - Part 1: Country codes (ISO 3166-1:2006)*

ISO 7-1:1994, *Pipe threads where pressure-tight joints are made on the threads - Part 1: Dimensions, tolerances and designation*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **working surfaces**

parts of an appliance, which, due to the nature of the appliance, have temperatures exceeding the limits specified in 6.4.1 excluding parts that are likely to be touched during operations carried out in the normal use of the appliance, for example, the area adjacent to control knobs

Working surfaces do not include that part of any surface within 25 mm of parts that have to be touched or removed during normal operation of the appliance

#### 3.2 Burner

##### 3.2.1

##### **main burner**

burner that assures the thermal function of an appliance, usually called simply 'burner'