

**Gas-fired central heating boilers -  
Specific requirements for condensing  
boilers with a nominal heat input  
greater than 70 kW but not exceeding  
1000 kW**

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requirements for condensing boilers with a nominal  
heat input greater than 70 kW but not exceeding  
1000 kW

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15417:2006 sisaldab Euroopa standardi EN 15417:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.08.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15417:2006 consists of the English text of the European standard EN 15417:2006.</p> <p>This document is endorsed on 30.08.2006 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></p> <p>This document applies to gas-fired central heating boilers, which are declared by the manufacturer to be "condensing boilers": - of types C (excluding appliances without a fan) and B, - using one or more gases corresponding to the three gas families, and - for which the nominal heat input is greater than 70 kW but not exceeding 1 000 kW. This document only covers type testing.</p>	<p><b>Scope:</b></p> <p>This document applies to gas-fired central heating boilers, which are declared by the manufacturer to be "condensing boilers": - of types C (excluding appliances without a fan) and B, - using one or more gases corresponding to the three gas families, and - for which the nominal heat input is greater than 70 kW but not exceeding 1 000 kW. This document only covers type testing.</p>
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ICS 91.140.10

Võtmesõnad:

ICS 91.140.10

English Version

**Gas-fired central heating boilers - Specific requirements for  
condensing boilers with a nominal heat input greater than 70 kW  
but not exceeding 1000 kW**

Chaudières de chauffage central utilisant les combustibles gazeux - Exigences spécifiques aux chaudières à condensation dont le débit calorifique nominal est supérieur à 70 kW mais inférieur ou égal à 1000 kW

Heizkessel für gasförmige Brennstoffe - Spezielle Anforderungen an Brennwert-Heizkessel mit einer Nennwärmebelastung größer als 70 kW aber gleich oder kleiner als 1000 kW

This European Standard was approved by CEN on 18 May 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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.



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COMITÉ EUROPÉEN DE NORMALISATION  
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## Foreword

This document (EN 15417:2006) has been prepared by Technical Committee CEN/TC 109 "Central heating boilers using gaseous fuels", the Secretariat of which is held by NEN.

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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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, 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 applies to gas-fired central heating boilers, which are declared by the manufacturer to be "condensing boilers":

- of types C (excluding appliances without a fan) and B,
- using one or more gases corresponding to the three gas families, and
- for which the nominal heat input is greater than 70 kW but not exceeding 1 000 kW. This document only covers type testing.

This document completes or modifies the standards EN 656, EN 13836, and prEN 15420 hereafter called "boiler standards". It specifies supplementary requirements for condensing boilers.

## 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 656:1999, *Gas-fired central heating boilers — Type B boilers of nominal heat input exceeding 70 kW, but not exceeding 300 kW*

EN 13836:2006, *Gas-fired central heating boilers — Type B boilers of nominal heat input exceeding 300 kW, but not exceeding 1 000 kW*

prEN 15420:2006, *Gas-fired central heating boilers — Type C boilers of nominal heat input exceeding 70 kW, but not exceeding 1 000 kW*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 656:1999, EN 13836:2006 and the following apply.

### 3.1

#### **condensate**

liquid formed from the combustion products during the condensation process

## 4 Classification of boilers

### 4.1 Gases and categories

Gases and categories are in accordance with those given in the "boiler standards"

### 4.2 Classification according to the mode of evacuation of the combustion products

The classifications according to the mode of evacuation of combustion products are in accordance with those given in the "boiler standards".