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Standards

Irish Standard  
I.S. EN 26:2015

# Gas-fired instantaneous water heaters for the production of domestic hot water

**I.S. EN 26:2015**

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## Gas-fired instantaneous water heaters for the production of domestic hot water

Appareils de production instantanée d'eau chaude pour usages sanitaires utilisant les combustibles gazeux

Gasbeheizte Durchlauf-Wasserheizer für den sanitären Gebrauch

This European Standard was approved by CEN on 29 November 2014.

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## Foreword

This document (EN 26:2015) has been prepared by Technical Committee CEN/TC 48 "Domestic gas-fired water heaters", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by November 2015 and conflicting national standards shall be withdrawn at the latest by November 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 26:1997.

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, Annex ZB or Annex ZC, which are integral parts of this document.

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).

This document deals with:

- safety;
- rational use of energy;
- fitness for purpose.

It gives specific requirements or disposals relative to:

- requirements and test methods for type C water heaters with a fan incorporated in the combustion air supply circuit or in the combustion products evacuation circuit;
- combustion products evacuation ducts which are part of a water heater;
- condensing water heaters;
- water heaters installed indoors and/or partially protected place;
- requirements and test procedures for resistance to freezing;
- NO<sub>x</sub> measurement;
- the metallic, plastic and other non-metallic materials that are used in water heaters and which come into contact with water intended for human consumption. It is intended to ensure that products of this kind complying with these requirements meet current technological development and requirements with regard to the service life of the water heaters and their physiological suitability.

**EN 26:2015 (E)**

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard defines the specifications and test methods concerning the construction, safety, rational use of energy and fitness for purpose, and also the classification and marking of gas-fired instantaneous water heaters for sanitary uses, hereafter called “water heaters”.

This European Standard applies to water heaters:

- of types A<sub>AS</sub>, B<sub>11</sub>, B<sub>11BS</sub>, B<sub>12</sub>, B<sub>12BS</sub>, B<sub>13</sub>, B<sub>13BS</sub>, B<sub>14</sub>, B<sub>22</sub>, B<sub>23</sub>, B<sub>32</sub>, B<sub>33</sub>, B<sub>44</sub>, B<sub>52</sub>, B<sub>53</sub>, C<sub>11</sub>, C<sub>12</sub>, C<sub>13</sub>, C<sub>21</sub>, C<sub>22</sub>, C<sub>23</sub>, C<sub>32</sub>, C<sub>33</sub>, C<sub>42</sub>, C<sub>43</sub>, C<sub>52</sub>, C<sub>53</sub>, C<sub>62</sub>, C<sub>63</sub>, C<sub>72</sub>, C<sub>73</sub>, C<sub>82</sub> and C<sub>83</sub> according to CEN/TR 1749;
- fitted with atmospheric burners;
- equipped with atmospheric burners assisted by a fan for the supply of combustion air or evacuation of combustion products or fully premix burners;
- using one or more combustible gases corresponding to the three gas families and at the pressures stated in accordance to EN 437;
- of nominal heat input not exceeding 70 kW;
- with an ignition burner or with direct ignition of the main burner.

In this European Standard, the heat inputs are expressed in relation to the net calorific value ( $H_i$ ).

This European Standard does not contain all the requirements necessary for:

- boiling water appliances;
- appliances intended to be connected to a mechanical means of evacuating the combustion products;
- appliances which fulfil a dual role of space heating and heating water for sanitary use;
- appliances making use of the heat of condensation of the water contained in the combustion products;
- water heaters of types B<sub>21</sub>, B<sub>31</sub>, B<sub>41</sub>, B<sub>42</sub>, B<sub>43</sub> and B<sub>51</sub>.

This European Standard only covers water heaters where the fan, if any, is an integral part of the appliance.

This European Standard:

- does not apply to appliances not intended to be connected to a flue when they are not fitted with an atmosphere sensing device;
- takes account of the information given in Technical Report CR 1472:1994 with respect to marking.

The main symbols used in this European Standard are summarized in Annex F.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 88-1:2011, *Pressure regulators and associated safety devices for gas appliances — Part 1: Pressure regulators for inlet pressures up to and including 50 kPa*

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