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Standards

Irish Standard  
I.S. EN 498:2012

# Specification for dedicated liquefied petroleum gas appliances - Barbecues for outdoor use contact grills included

## I.S. EN 498:2012

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English Version

## Specification for dedicated liquefied petroleum gas appliances - Barbecues for outdoor use contact grills included

Spécifications pour les appareils fonctionnant  
exclusivement aux gaz de pétrole liquéfiés - Barbecues  
utilisés en plein air y compris grilloirs par contact

Festlegungen für Flüssiggasgeräte - Grillgeräte zur  
Verwendung im Freien einschließlich Kontaktgrillgeräte

This European Standard was approved by CEN on 12 November 2011.

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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## **Foreword**

This document (EN 498:2012) has been prepared by Technical Committee CEN/TC 181 "Dedicated liquefied petroleum gas appliances", 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of an identical text or by endorsement, at the latest by July 2012, and conflicting national standards shall be withdrawn at the latest by July 2013.

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 498:1997.

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 which is an integral part of this document.

The main changes compared to the former version are the following:

- approved quick self closing connection used for auxiliary burners are not subjected to the obligation of being manufactory mounted;
- clearer specifications for lighting and cross lighting when more than one burner are in a same enclosure, use of flash tube;
- introduction of a logo or warning forbidding cylinders in places of the appliance not designed for cylinder storage;
- rewording of the test for checking over heating of gas cylinder compartment;
- addition of a warning about the updating of information relating to national situations;
- addition of an annex listing the mandatory sentences to be written on appliances, packaging and in instructions in the various CEN members countries languages.

Items relating to quality assurance systems, production testing and particularly certificates of conformity of auxiliary equipment are not covered by this European Standard.

Particular attention should be paid to the quality of non metallic materials used in the construction of these appliances. A European Standard specifying requirements for "Rubber materials for seals and diaphragms for gas appliances and equipment" has been prepared by CEN TC 108 (EN 549). A European Standard for "Flexible hose, tubing and assembles for use with butane or propane in the vapour phase" is being prepared.

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, 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.

## EN 498:2012 (E)

### 1 Scope

This European Standard specifies the constructional and performance characteristics, safety specifications, relevant test methods and marking of barbecues burning liquefied petroleum gas, referred to in the body of the text as "appliances".

This European Standard covers barbecues as defined in 3.6 and contact grills as defined in 3.8, used outdoors and operating with the gases indicated in 4.1 according to the categories indicated in 4.2. They are fitted with at least one cooking device.

This European Standard applies to these appliances and their functional sections whether or not the latter are independent or incorporated into an assembly.

This European Standard also applies to appliances designed to be built-in.

This European Standard only applies to type testing.

Appliances supplied with third family gas at pressures greater those defined in 4.2 are outside the field of application of this European Standard.

During the consideration of this text, it was apparent that the concept of thermal efficiency with regard to appliances such as barbecues was not appropriate.

This is because:

- during cooking, there is an additional transfer of heat due to the meat juices falling onto the refractories;
- there is no relation between the item to be cooked and the useful area;
- the barbecue is an outdoor appliance in which the action of the wind is important in relation to efficiency.

In consequence there is no specific requirement covering thermal efficiency for this type of appliance.

This European Standard does not state all applicable requirements for integral equipments of other nature (for example burners covered by EN 484).

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

EN 126, *Multifunctional controls for gas burning appliances*

EN 437:2003+A1:2009, *Test gases — Test pressures — Appliance categories*

EN 10226-1, *Pipe threads where pressure tight joints are made on the threads — Part 1: Taper external threads and parallel internal threads — Dimensions, tolerances and designation*

EN 10226-2, *Pipe threads where pressure tight joints are made on the threads — Part 2: Taper external threads and taper internal threads — Dimensions, tolerances and designation*



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