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Specifications for dedicated liquefied petroleum gas
appliances - LPG vapour pressure appliances
incorporating a horizontal cartridge in the chassis

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 17476:2021 sisaldab Euroopa standardi EN 17476:2021 ingliskeelset teksti.	This Estonian standard EVS-EN 17476:2021 consists of the English text of the European standard EN 17476:2021.
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English Version

Specifications for dedicated liquefied petroleum gas appliances - LPG vapour pressure appliances incorporating a horizontal cartridge in the chassis

Spécifications pour les appareils fonctionnant exclusivement aux gaz de pétrole liquéfiés - Appareils GPL à pression de vapeur incorporant une cartouche horizontale dans leur châssis

Festlegungen für Flüssiggasgeräte - Mit Dampfdruck betriebene Flüssiggasgeräte, die eine waagerechte Kartusche im Gehäuse enthalten

This European Standard was approved by CEN on 12 March 2021.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 17476:2021) has been prepared by Technical Committee CEN/TC 181 “Appliances and leisure vehicle installations using liquefied petroleum gas and appliances using natural gas for outdoor use”, 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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.

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 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 Regulation (EU) 2016/426 of the European Parliament and of the Council of 9 March 2016 on appliances burning gaseous fuels and repealing Directive 2009/142/EC.

For relationship with EU Regulation (EU) 2016/426, see informative Annex ZA, which is an integral part of this document.

Appliances covered by this document differ from the ones covered by EN 521:2019+AC:2019 by the fact that the gas cartridge is incorporated inside the appliance body in a position which can create particular situations which need different approach than these used in EN 521:2019+AC:2019.

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, Turkey and the United Kingdom.

1 Scope

This document specifies the construction characteristics, performances and marking related to safety and the rational use of energy of portable, flat gas appliances directly supplied at the LPG vapour pressure, incorporating a gas cartridge complying with EN 417:2012, inserted horizontally in the chassis.

NOTE 1 These appliances are referred to in the body of the text as “appliances”.

This document covers appliances for outdoor or in well ventilated areas uses only.

This document does not cover appliances supplied by an external gas source.

For example, the following types of appliances are covered:

- a) cooking appliances (stoves, barbecues);
- b) heating appliances.

This document specifies the requirements applicable to these appliances or their functional sections whether or not the latter are independent or incorporated into an assembly.

Appliances covered by this document are not connected to a flue for the discharge of products of combustion and are not connected to the mains electricity supply.

This document covers neither appliances supplied with LPG in the liquid phase nor appliance with fixed integral container which could be refilled by the user.

This document does not cover appliances of direct pressure propane category.

Requirements for rational use of energy have been considered for stove burners.

NOTE 2 However, such requirements have not been considered for the other types of appliances because:

- for barbecues, this type of cooking varies according to the type of food and region where the appliance is used;
- for heating appliances, all the heat produced is discharged into the environment.

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 30-1-1:2008+A3:2013, *Domestic cooking appliances burning gas — Part 1-1: Safety — General*

EN 125:2010+A1:2015, *Flame supervision devices for gas burning appliances — Thermoelectric flame supervision devices*

EN 437:2018, *Test gases — Test pressures — Appliance categories*

EN 549:2019, *Rubber materials for seals and diaphragms for gas appliances and gas equipment*