

LPG equipment and accessories - Procedure for checking LPG cylinders before, during and after filling

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1439:2008 sisaldab Euroopa standardi EN 1439:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 24.04.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 05.03.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1439:2008 consists of the English text of the European standard EN 1439:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 24.04.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 05.03.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

LPG equipment and accessories - Procedure for checking LPG cylinders before, during and after filling

Equipements pour GPL et leurs accessoires - Procédure de
vérification des bouteilles transportables et rechargeables
pour GPL avant, pendant et après le remplissage

Flüssiggas-Geräte und Ausrüstungsteile - Kontrollverfahren
für ortsbewegliche, wiederbefüllbare Flaschen für
Flüssiggas (LPG) vor, während und nach dem Füllen

This European Standard was approved by CEN on 6 January 2008.

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 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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 1439:2008) has been prepared by Technical Committee CEN/TC 286 “Liquefied petroleum gas equipment and accessories”, the secretariat of which is held by NSAI.

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 August 2008, and conflicting national standards shall be withdrawn at the latest by August 2008.

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 European Standard has been submitted for reference into the RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) and/or in the technical annexes of the ADR (European Agreement concerning the international carriage of Dangerous goods by Road). Therefore the standards listed in the normative references and covering basic requirements of the RID/ADR not addressed within the present standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.

The main changes between this version of the standard and the 2005 version is that this version combines EN 1439:2005, EN 14763:2005, EN 14794:2005 and EN 14913:2005 into a single standard.

This European Standard supersedes EN 1439:2005, EN 14763:2005, EN 14794:2005 and EN 14913:2005.

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 the United Kingdom.

Introduction

This European Standard calls for the use of substances and procedures that can be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

It has been assumed in the drafting of this European Standard that the execution of its provisions is entrusted to appropriately qualified and experienced people. Where judgements are called for, it has been assumed that they are made by competent persons who have been trained specifically for the tasks.

This standard is a combination of EN 1439:2005, with EN 14763:2005, EN 14794:2005 and EN 14913:2005.

1 Scope

This European Standard specifies the procedures to be adopted when checking transportable refillable LPG cylinders before, during and after filling.

This European Standard applies to transportable refillable LPG cylinders of water capacity from 0,5 l up to and including 150 l. This European Standard does not apply to cylinders permanently installed in vehicles, or to plant and filling equipment.

This standard is applicable to the following:

- welded and brazed steel LPG cylinders with a specified minimum wall thickness (see EN 1442 and EN 12807 or an equivalent standard);
- welded steel LPG cylinders without specified minimum wall thickness (see EN 14140 or an equivalent standard);
- welded aluminium LPG cylinders (see EN 13110 or an equivalent standard);
- composite LPG cylinders (see EN 14427 or an equivalent standard).

Specific requirements for different types of cylinders are detailed in Annex A, Annex B, Annex C and Annex D.

NOTE Rejection limits for a particular type of protected cylinder are given in Annex G.

This standard is intended to be applied to cylinders complying with RID/ADR (including pi marked cylinders) and also to existing non RID/ADR cylinder populations.

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 1440, *LPG equipment and accessories – Periodic inspection of transportable refillable LPG cylinders*

EN 10028-7, *Flat products made of steels for pressure purposes — Part 7: Stainless steels*

EN 12816, *Transportable refillable steel and aluminium LPG cylinders – Disposal*

EN 13952, *LPG cylinders - Filling procedures*

EN 14140, *Transportable refillable welded steel cylinders for Liquefied Petroleum Gas (LPG) — Alternative design and construction*

EN 14427:2004, *Transportable refillable fully wrapped composite cylinders for Liquefied Petroleum Gases (LPG) - Design and Construction*

EN 14894, *LPG Equipment and accessories - Cylinder and drum marking*