



SLOVENSKI STANDARD
kSIST FprEN 1440:2015

01-november-2015

Oprema in pribor za utekočinjeni naftni plin (UNP) - Premične, ponovno polnjene, tradicionalno varjene in spajkane jeklenke za UNP - Periodični pregled

LPG equipment and accessories - Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection

Flüssiggas-Geräte und Ausrüstungsteile - Ortsbewegliche, wiederbefüllbare, geschweißte und hartgelötete Flaschen aus Stahl für Flüssiggas (LPG) - Wiederkehrende Inspektion

Equipements pour GPL et leurs accessoires - Bouteilles de gaz de pétrole liquéfiés (GPL) en acier soudé et brasé transportables et rechargeables - Contrôle périodique

Ta slovenski standard je istoveten z: FprEN 1440

ICS:

23.020.30	Tlačne posode, plinske jeklenke	Pressure vessels, gas cylinders
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kSIST FprEN 1440:2015

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
FprEN 1440

September 2015

ICS 23.020.30

Will supersede EN 1440:2008+A1:2012

English Version

LPG equipment and accessories - Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection

Equipements pour GPL et leurs accessoires - Bouteilles de gaz de pétrole liquéfié (GPL) en acier soudé et brasé transportables et rechargeables - Contrôle périodique

Flüssiggas-Geräte und Ausrüstungsteile - Ortsbewegliche, wiederbefüllbare, herkömmlich geschweißte und hartgelötete Flaschen aus Stahl für Flüssiggas (LPG) - Wiederkehrende Inspektion

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 286.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	7
4 Requirements for periodic inspection	7
5 Inspections and tests	9
5.1 General.....	9
5.2 External visual inspection.....	9
5.2.1 Preparation for external visual inspection.....	9
5.2.2 Inspection procedure	10
5.2.3 Rejection criteria.....	10
5.3 Proof pressure test	10
5.3.1 General.....	10
5.3.2 Hydraulic proof pressure test.....	10
5.3.3 Pneumatic proof test and leak test	12
5.4 Check of the internal condition of the cylinder.....	13
5.4.1 Check of the internal condition of welded steel cylinders	13
5.5 Inspection of cylinder threads	13
5.5.1 General.....	13
5.5.2 Internal threads.....	13
5.5.3 External threads.....	13
5.5.4 Damaged threads	14
5.6 Inspection of valves.....	14
6 Final operations.....	14
6.1 General.....	14
6.2 Valving.....	14
6.3 Tare mass.....	14
6.4 Marking.....	14
6.5 Purging.....	14
7 Repair of welded steel cylinders	15
7.1 Major repairs	15
7.2 Minor repairs.....	15
7.3 Requirements for repair.....	15
8 Records	15
Annex A (normative) Specific requirements for external visual inspection	16
Annex B (informative) Requirements for 15 year periodic inspection interval for cylinders manufactured before January 1st 2015.....	19
B.1 General.....	19
B.2 Concept of control.....	19

B.3	Conditions	20
Annex C (normative) Periodic inspection procedure for cylinder populations not covered by the RID/ADR		
		21
Annex D (informative) Requirements to be fulfilled to extend period between two periodic inspections to 15 years for RID/ADR welded steel LPG cylinders.....		
		22
D.1	General	22
D.2	Design and manufacturing	22
D.3	Operational provisions.....	22
D.4	Periodic inspection	22
D.5	Marking	23
Annex E (informative) Alternative test applicable to commercial butane cylinders with less than 6,5 l water capacity		
		24
E.1	General	24
E.2	Preparation of cylinder	24
E.3	Procedure	24
Bibliography		26

FprEN 1440:2015 (E)**European foreword**

This document (FprEN 1440:2015) has been prepared by Technical Committee CEN/TC 286 “Liquefied petroleum gas equipment and accessories”, the secretariat of which is held by NSAI.

This document is currently submitted to the Formal Vote.

This document in conjunction with FprEN 16728:2015 will supersede EN 1440:2008+A1:2012.

This European Standard has been submitted for reference into the RID [1] and the technical annexes of the ADR [2].

NOTE These regulations take precedence over any clause of this standard. It is emphasized that RID/ADR are being revised regularly at intervals of two years which may lead to temporary non-compliances with the clauses of this standard.

This European Standard deals with the periodic inspection requirements for transportable refillable welded and brazed steel LPG cylinders.

For all other cylinder designs, FprEN 16728:2015 applies.

Introduction

The primary objective of the periodic inspection of transportable refillable liquefied petroleum gas (LPG) cylinders is that, on completion of the tests, the cylinders can be re-introduced into service for a further period of time.

The very large populations of traditional steel LPG cylinders in use have led to the development of alternative methods of inspection.

This European Standard has been prepared to reflect the current methodology for periodic inspection of LPG cylinders and is based on extensive operating experience.

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.

Protection of the environment is a key political issue in Europe and elsewhere, for CEN/TC 286 this is covered in CEN/TS 16765 [3], and this Technical Specification should be read in conjunction with this standard.

It has been assumed in the drafting of this European Standard that the execution of its provisions is entrusted to appropriately qualified and competent persons.

Where judgements are called for, it has been assumed that they are made by competent persons who have been specifically trained for the tasks.

FprEN 1440:2015 (E)**1 Scope**

This European Standard specifies procedures for the periodic inspection and testing, of transportable refillable LPG cylinders with a water capacity from 0,5 l up to and including 150 l.

This European Standard is applicable to welded and brazed steel LPG cylinders with a specified minimum wall thickness designed according to EN 1442, EN 12807, EN 13322-1, or equivalent standard (e.g. national codes).

This European 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.

NOTE The requirements of RID/ADR take precedence over those of this standard in the case of cylinders complying with that regulation, including pi marked cylinders.

This European Standard does not apply to cylinders permanently installed in vehicles.

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 837-1:1996, *Pressure gauges - Part 1: Bourdon tube pressure gauges - Dimensions, metrology, requirements and testing*

EN 837-3:1996, *Pressure gauges - Part 3: Diaphragm and capsule pressure gauges - Dimensions, metrology, requirements and testing*

EN 1442, *LPG equipment and accessories — Transportable refillable welded steel cylinders for LPG — Design and construction*

EN 12807, *LPG equipment and accessories - Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) - Design and construction*

EN 12816, *LPG equipment and accessories - Transportable refillable LPG cylinders - Disposal*

EN 13322-1, *Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 1: Carbon steel*

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

EN 14912, *LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders*

EN ISO 14245, *Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing (ISO 14245)*

EN ISO 15995, *Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated (ISO 15995)*