

STN	Zariadenie a príslušenstvo na LPG Kontrola a údržba ventilov fliaš na skvapalnené ropné plyny (LPG) vykonávané počas pravidelnej kontroly fliaš	STN EN 14912 07 8632
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LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/22

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EUROPEAN STANDARD

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Supersedes EN 14912:2015

English Version

LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders

Équipements pour GPL et leurs accessoires - Contrôle et entretien des robinets de bouteilles de GPL lors du contrôle périodique des bouteilles

Flüssiggas-Geräte und Ausrüstungsteile - Inspektion und Wartung von Ventilen für Flaschen für Flüssiggas (LPG) zum Zeitpunkt der wiederkehrenden Inspektion der Flaschen

This European Standard was approved by CEN on 8 May 2022.

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

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EN 14912:2022 (E)

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European foreword

This document (EN 14912:2022) has been prepared by Technical Committee CEN/TC 286 “LPG 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 December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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 supersedes EN 14912:2015.

This document includes the following significant technical changes with respect to EN 14912:2015:

- alignment with the requirement of paragraph 12 of Packing Instruction P200 of ADR;
- introduction of inspection and refurbishment requirements for pressure relief valves;
- in Clause 3: the update of definitions:
 - periodic inspection;
 - minor repair;
 - in 3.11, in replacement of “working pressure definition”, the addition of “pressure relief valve” (as given in EN 13953:2020);
- in 5.2, the external inspection list has been updated;
- in 6.1, the paragraph has been updated;
- in Clause 7:
 - addition of a paragraph “7.1: General”;
 - deletion of old 7.1.3 paragraph;
 - update of old 7.2 (new 7.3) paragraph.

Users are advised to develop an environmental management policy. For guidance, see the EN ISO 14000 series ([1], [2] and [3]). Users of this document are expected to consult CEN/TS 16765 while implementing its requirements.

This document has been submitted for reference in

- the RID and/or
- the technical annexes of the ADR

NOTE These regulations take precedence over any clause of this document. 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 document.

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Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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.

Introduction

This document has been prepared to reflect the current methods for periodically inspecting LPG cylinder valves, and is based upon the operating experience of millions of cylinder years of service over a period of more than 50 years.

The primary objective of the periodic inspection of transportable refillable LPG cylinder valves is that, at the completion of the tests, the cylinder valve can be re-introduced into service for a further period of time.

The valve inspection is an integral part of the periodic inspection of an LPG cylinder.

Periodic inspections/tests are intended to be carried out by a competent person under the authorization of an inspection body based on a written scheme of examination.

Protection of the environment is a key political issue in Europe and elsewhere. For CEN/TC 286 this is covered in CEN/TS 16765 and this Technical Specification should be read in conjunction with this document. This Technical Specification provides guidance on the environmental aspects to be considered regarding equipment and accessories produced for the LPG industry and the following is addressed:

- design;
- manufacture;
- packaging;
- use and operation; and
- disposal.

This document calls for the use of substances and procedures that can be injurious to health if adequate precautions are not taken. It refers 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 document 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.

EN 14912:2022 (E)**1 Scope**

This document specifies the requirements for inspection and maintenance of LPG cylinder valves, either manually operated or self-closing, for reuse. It applies when the valve is either inspected or refurbished at the time of periodic inspection of the cylinder.

This document may also be applied at any other time, for example, when maintenance of the valve is necessary.

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 ISO 14245:2021, *Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing (ISO 14245:2021)*

EN ISO 15995:2021, *Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated (ISO 15995:2021)*

ISO 2859-1:1999, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN