

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

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14912:2006 sisaldab Euroopa standardi EN 14912:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.02.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14912:2006 consists of the English text of the European standard EN 14912:2005.</p> <p>This document is endorsed on 27.02.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the requirements for inspection and maintenance of LPG cylinder valves for reuse. It applies when the valve is inspected, repaired or refurbished at the time of periodic inspection of the cylinder.</p>	<p>Scope:</p> <p>This European Standard specifies the requirements for inspection and maintenance of LPG cylinder valves for reuse. It applies when the valve is inspected, repaired or refurbished at the time of periodic inspection of the cylinder.</p>
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Võtmesõnad:

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English Version

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

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

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

This European Standard was approved by CEN on 9 December 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard (EN 14912:2005) 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 June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

This European Standard has been submitted for reference into the RID and/or in the technical annexes of the ADR. Therefore the standards listed in the normative references and covering basic requirements of the RID/ADR not addressed within the present European Standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard has been prepared to reflect the current state of the art for periodically inspecting LPG cylinders, 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 cylinders is that, at the completion of the tests, the cylinder 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 inspection is normally carried out at a test station operated under the responsibility of a competent gas organisation, or of a third party.

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.

1 Scope

This European Standard specifies the requirements for inspection and maintenance of LPG cylinder valves for reuse. It applies when the valve is inspected, repaired or refurbished at the time of periodic inspection of the cylinder.

The periodic inspection of cylinders is described in EN 1440, EN 14795, EN 14914, and EN 14767.

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

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13152, *Specification and testing of LPG cylinder valves — Self closing*

EN 13153, *Specification and testing of LPG Cylinder valves — Manually operated*

3 Terms and definitions

For the purpose of this European Standard, the following definitions apply.

3.1

LPG (liquefied petroleum gas)

mixture of predominantly butane or propane with traces of other hydrocarbon gases classified in accordance with UN number 1965, hydrocarbon gases mixture, liquefied, NOS or UN number 1075, petroleum gases, liquefied

NOTE In some countries, UN numbers 1011 and 1978 may also be designated LPG.

3.2

periodic inspection

activities carried out at defined intervals, such as examining, measuring, testing or gauging the characteristics of a cylinder, comparing these with specified requirements and marking to attest conformity

3.3

dismantling

separation into component parts

3.4

maintenance

minor repair, major repair or refurbishment

3.5

minor repair

operations that include cleaning and replacement of components accessible without any dismantling of the valve (e.g. outlet seal, excess flow device)

3.6

major repair

operations that include replacement of valve accessories which are incorporated within the pressure envelope but do not require complete dismantling of the valve e.g. pressure relief valve