



SLOVENSKI STANDARD

oSIST prEN ISO 28622:2008

01-april-2008

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Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG) (ISO/DIS 28622:2008)

Gasflaschen - Druckentlastungsventile für ortsbewegliche, wiederbefüllbare Flaschen für Flüssiggas (LPG) (ISO/DIS 28622:2008)

iTeh STANDARD PREVIEW

Soupapes de sécurité pour les bouteilles transportables et rechargeables pour gaz de pétrole liquéfiés (GPL) (ISO/DIS 28622:2008)

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Ta slovenski standard je istoveten z: prEN ISO 28622

ICS:

23.020.30

23.060.40

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en

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January 2008

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Will supersede EN 13953:2003

English Version

Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG) (ISO/DIS 28622:2008)

Soupapes de sécurité pour les bouteilles transportables et rechargeables pour gaz de pétrole liquéfiés (GPL) (ISO/DIS 28622:2008)

This draft European Standard is submitted to CEN members for parallel enquiry. 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.

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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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Foreword

This document (prEN ISO 28622:2008) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with 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 parallel Enquiry.

This document will supersede EN 13953:2003.

Endorsement notice

The text of ISO/DIS 28622:2008 has been approved by CEN as a prEN ISO 28622:2008 without any modification.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 28622

ISO/TC 58/SC 2

Secretariat: **AFNOR**

Voting begins on:
2008-01-24

Voting terminates on:
2008-06-24

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Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG)

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ICS 23.020.30; 23.060.40

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The CEN Secretary-General has advised the ISO Secretary-General that this ISO/DIS covers a subject of interest to European standardization. **In accordance with the ISO-lead mode of collaboration as defined in the Vienna Agreement, consultation on this ISO/DIS has the same effect for CEN members as would a CEN enquiry on a draft European Standard.** Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 28622 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

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DRAFT

Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG)

1 Scope

This standard specifies the design, testing and marking requirements for spring loaded pressure relief valves, for use in liquefied petroleum gas (LPG) cylinders.

These valves can be either an integral part of a cylinder valve (see ISO 14245 and ISO 15995) or a separate device.

This standard does not exclude the use of other designs of pressure relief devices that provide a similar level of safety.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

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 number 1011, 1978 may also be designated LPG.

2.2

pressure relief valve

valve which automatically opens without the assistance of any energy other than that of the internal fluid pressure. The loading due to the fluid pressure underneath the valve-sealing element is opposed by a spring. The valve when open will discharge a quantity of fluid so as to prevent a rise of internal fluid pressure in excess of a specified value due to emergency or abnormal conditions, and re-closes and prevent the further flow of fluid after normal pressure conditions of service have been restored

2.3

pressure/flow terms

NOTE 1 Terms used with LPG pressure relief valves are described graphically in Annex A.

NOTE 2 All pressures are gauge pressures unless otherwise specified.

2.3.1

nominal set pressure

predetermined pressure at which the pressure relief valve is set to start to discharge

2.3.2

start to discharge pressure

inlet pressure at which the first of a stream of bubbles appears at the outlet of a pressure relief valve through a water seal of not more than 50 mm water column, or other equivalent method