



SLOVENSKI STANDARD SIST EN ISO 10156:2010

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Nadomešča:

SIST EN ISO 10156-2:2005

SIST EN ISO 10156-2:2005/AC:2006

Plini in zmesi plinov - Določitev stopnje gorljivosti in oksidativnosti za izbiro izhodnega priključka ventila na jeklenki (ISO 10156:2010)

Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

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Gase und Gasgemische - Bestimmung der Brennbarkeit und des Oxidationsvermögens zur Auswahl von Ventilausgängen (ISO 10156:2010)

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Gaz et mélanges de gaz - Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets (ISO 10156:2010)

Ta slovenski standard je istoveten z: EN ISO 10156:2010

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| 23.020.30 | Tlačne posode, plinske jeklenke | Pressure vessels, gas cylinders |
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EUROPEAN STANDARD

EN ISO 10156

NORME EUROPÉENNE

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April 2010

ICS 23.020.30; 71.100.20

Supersedes EN 720-2:1996, EN ISO 10156-2:2005

English Version

Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

Gaz et mélanges de gaz - Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets (ISO 10156:2010)

Gase und Gasgemische - Bestimmung der Brennbarkeit und des Oxidationsvermögens zur Auswahl von Ventilausgängen (ISO 10156:2010)

This European Standard was approved by CEN on 18 March 2010.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 10156:2010) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with Technical Committee CEN/TC 23 "Transportable gas cylinders", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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 document supersedes EN 720-2:1996, EN ISO 10156-2:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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, Croatia, 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.

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INTERNATIONAL STANDARD

ISO
10156

Third edition
2010-04-01

Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets

*Gaz et mélanges de gaz — Détermination du potentiel d'inflammabilité
et d'oxydation pour le choix des raccords de sortie de robinets*

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ISO 10156:2010(E)

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 10156 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

This third edition of ISO 10156 cancels and replaces ISO 10156:1996 and ISO 10156-2:2005.

It gives updated data for flammability and oxidizing ability.

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Introduction

ISO 5145 ^[1] and other related standards establish practical criteria for the determination of outlet connections of cylinder valves. These criteria are based on certain physical and chemical properties of the gases. In particular, the flammability in air and the oxidizing ability are considered.

One of the potential complications that prompted the development of this International Standard is that whilst there are abundant data in the literature relating to pure gases, differences can be found, depending upon the test methods employed; in the case of gas mixtures, data in the literature are often incomplete or even non-existent.

The initial aim of this International Standard was to eliminate the ambiguities in the case of differences in the literature, and above all, to supplement existing data (mainly in the case of gas mixtures).

Subsequently, this International Standard was used for other purposes than the selection of cylinder valve outlets, such as establishing flammability and oxidizing potential data for labelling according to international transport regulations and dangerous substances regulations, under the umbrella of the Globally Harmonized System (GHS).

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