

SLOVENSKI STANDARD

SIST EN ISO 10156:2018

01-maj-2018

Nadomešča:

SIST EN ISO 10156:2010

SIST EN ISO 10156:2010/AC:2010

Plinske jeklenke - Plini in zmesi plinov - Določitev stopnje vnetljivosti in oksidativnosti za izbiro izhodnega priključka ventila za jeklenko (ISO 10156:2017)

Gas cylinders - Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2017)

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Gasflaschen - Gase und Gasgemische - Bestimmung der Brennbarkeit und des Oxidationsvermögens zur Auswahl von Ventilausgängen (ISO 10156:2017)

[SIST EN ISO 10156:2018](https://standards.iteh.ai/catalog/standards/sist/41702c6c-64ad-4192-8a11-bd43be157fdb/sist-en-iso-10156-2018)

Bouteilles à gaz - Gaz et mélanges de gaz - Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets (ISO 10156:2017)

Ta slovenski standard je istoveten z: EN ISO 10156:2017

ICS:

23.020.35	Plinske jeklenke	Gas cylinders
71.100.20	Industrijski plini	Gases for industrial application

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EUROPEAN STANDARD

EN ISO 10156

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

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Supersedes EN ISO 10156:2010

English Version

Gas cylinders - Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2017)

Bouteilles à gaz - Gaz et mélanges de gaz -
Détermination du potentiel d'inflammabilité et
d'oxydation pour le choix des raccords de sortie de
robinets (ISO 10156:2017)

Gasflaschen - Gase und Gasgemische - Bestimmung der
Brennbarkeit und des Oxidationsvermögens zur
Auswahl von Ventilausgängen (ISO 10156:2017)

This European Standard was approved by CEN on 19 August 2017.

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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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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INTERNATIONAL
STANDARD

ISO
10156

Fourth edition
2017-07

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

Bouteilles à gaz — 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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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

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

<https://standards.iteh.ai/catalog/standards/sist/41702c6e-64ad-4192-8a11-4131c157fb>

This fourth edition cancels and replaces the third edition (ISO 10156:2010), which has been technically revised. It also incorporates ISO 10156:2010/Cor 1:2010.

The main changes compared to the previous edition are as follows:

- [4.1](#), [4.2.5](#) and [4.4](#) have been technically revised;
- [4.5](#) and [4.6](#) have been added.

Introduction

ISO 5145 specifies the dimensions of different cylinder valve outlets for different compatible gas groups. These compatible gas groups are determined according to practical criteria defined in ISO 14456.

These criteria are based on certain physical, chemical, toxic and corrosive properties of the gases. In particular, the flammability in air and the oxidizing ability are considered in this document.

One of the potential complications that prompted the development of this document is that while 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 document 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 document was used for other purposes than the selection of cylinder valve outlets, such as establishing flammability and oxidizing potential data for the classification and labelling of gases and gas mixtures.

This document is intended to be used under a variety of national regulatory regimes, but has been written so that it is suitable for the application of the UN Model Regulations and the UN-GHS^[9].

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