

**BUREAU OF INDIAN STANDARDS**

DRAFT FOR COMMENTS ONLY

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*भारतीय मानक मसौदा*

**गैसों और गैसों के मिश्रण — सिलेंडर वाल्व निर्गम के चयन के लिए अग्नि  
की संभावना और ऑक्सीकारी क्षमता ज्ञान करना**

*(दूसरा पुनरीक्षण IS 15465/ ISO 10156)*

*Draft Indian Standard*

**Gases and gas mixtures — Determination of fire potential and  
oxidizing ability for the selection of cylinder valve outlets**  
*(Second Revision of IS 15465/ ISO 10156)*

ICS 23:0.20.30; 71.100.20

Chemical Hazards Sectional Committee, CHD 07

**Last date for Comments: 11 November 2025**

**NATIONAL FOREWORD**

*(Formal clauses to be added later)*

This standard specifies methods for determining whether or not a gas or gas mixture is flammable in air and whether a gas or gas mixture is more or less oxidizing than air under atmospheric conditions. And it is intended to be used for the classification of gases and gas mixtures including the selection of gas cylinder valve outlets.

This standard does not cover the safe preparation of these mixtures under pressure and at temperatures other than ambient.

This standard was originally published in 2004, and first revision of this standard was published in 2010. As ISO 10516 has been revised. This revision is being carried out to adopt the latest ISO 10156: 2017. In this second revision the following main changes have been made:

- a) 4.1, 4.2.5 and 4.4 have been technically revised; and
- b) 4.5 and 4.6 have been added.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are  $27\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$  and  $(65 \pm 5)$  percent relative humidity and shall be observed while using this standard.

**FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 10156:2017**

**Note:** The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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