

SINGAPORE STANDARD

Gas cylinders — Terminology



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This Singapore Standard was approved by the Quality and Safety Standards Committee on behalf of the Singapore Standards Council on 31 October 2017.

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The Quality and Safety Standards Committee appointed by the Standards Council, consists of the following members:

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Deputy Chairman	: Mr Seet Choh San	<i>Singapore Institution of Safety Officers</i>
Advisor	: Mr Chan Yew Kwong	<i>Individual Capacity</i>
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	Mr Tan Kay Chen	<i>The Institution of Engineers, Singapore</i>
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The Technical Committee on Safety and Health Involving the Use of Equipment, appointed by the then General Engineering and Safety Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organisations:

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The Working Group, appointed by the Technical Committee to assist in the preparation of this standard, comprises the following experts who contribute in their *individual capacity*:

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The organisations in which the experts of the Working Group are involved are:

Air Liquide Industrial Services Pte Ltd
Air Liquide Singapore Pte Ltd
Air Products Industrial Gases Pte Ltd
Asia Industrial Gases Association
Industrial Gases Association of Singapore
Leeden National Oxygen Ltd
Linde Gas Asia Pte Ltd
Ministry of Manpower
National University of Singapore

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National Foreword

This Singapore Standard was prepared by a Working Group appointed by the Technical Committee on Safety and Health Involving the Use of Equipment under the direction of the then General Engineering and Safety Standards Committee (now known as the Quality and Safety Standards Committee).

This standard is a revision of SS 447 : 1998 (2011) and is re-designated as SS ISO 10286. It is an identical adoption of the English version of ISO 10286 : 2015 – ‘Gas cylinders – Terminology’, published by the International Organization for Standardization.

The comma has been used throughout as a decimal marker whereas in Singapore Standards it is a practice to use a full point on the baseline as the decimal maker.

This specification was prepared with the aim of creating a common understanding amongst interested parties who deal with gas cylinders.

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

NOTE

- 1. Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
- 2. An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.*

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. 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. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 58, *Gas cylinders*.

This fourth edition cancels and replaces the third edition (ISO 10286:2007), which has been technically revised.

The main changes include the following:

- a) The terminology has been revised to comply to the 18th edition of the UN model regulations;
- b) The layout of the document has been changed following ISO 10241-1. Consequently:
 - 1) the terms and their respective definitions are now found at one place;
 - 2) Annexes B to F were deleted;
 - 3) numbers have changed.
- c) Many terms and definitions were added or modified.

Introduction

The terms and definitions in this edition of this standard are given in the following layout:

preferred term(s)	in bold typeface
admitted term(s)	or synonyms, in normal typeface
DEPRECATED: deprecated term	deprecated term(s), in normal typeface, with the designation "DEPRECATED:"
definition	The definition, where available, in normal typeface
Note 1 to entry:	Notes to entry, cross-references and examples.
Figures/non-verbal representations	

The entry numbers are given as alphanumerics in the first column of the terminology tables. The terms in this standard are sorted in systematic order as far as possible. Further guidance on terminological presentation can be found in ISO 10241-1.

It is intended that ISO/TC 58 should use the terms in this document throughout its standards. The definitions are considered to support the understanding of the terms used in this document. They have been prepared with due regard to possible uses in different fields of ISO/TC 58. However, they possibly might require adaption for particular uses.

Gas cylinders — Terminology

1 Scope

This standard gives the terminology for ISO/TC 58 standards intended to be used under regulations for the transport of dangerous goods that are based on the UN Model Regulations. Variations from the terminology are permissible to comply with other regulations such as for stationary and automotive applications.