INTERNATIONAL STANDARD



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Gas cylinders — Safe handling

Bouteilles à gaz — Sécurité de manutention



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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 traison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

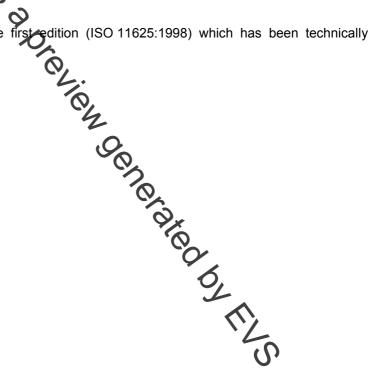
International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical convertees 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 applying 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 11625 was prepared by Technical Committee ISO/TC 58, Gas cylinders, Subcommittee SC 4, Operational requirements for gas cylinders.

This second edition cancels and replaces the revised.



Introduction

The following guidelines are for everyone who handles gas cylinders, and are based upon experience. Some precautions are also applicable to gas suppliers and distributors. It should not be assumed that every applicable safety precaution or regulation is contained herein.

Gas cylinders are constructed, maintained and used in accordance with applicable regulations and are safe for the purposes for which they are intended. Accidents occurring during the transportation, handling, usage and storage of these cylinders can often be traced to failure to follow the guidelines set forth in this International Standard.

Users of compressed, in weight or dissolved gases should become familiar with the properties and inherent broduct labelling and safety with sheet.

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Gas cylinders — Safe handling

1 Scope

This International standard specifies requirements for safe handling, use and storage of gas cylinders for compressed, liquefied or dissolved gases. This International Standard applies only to single gas cylinders of sizes from 0,5 I to 150 (Water capacity.

For specific gas applications such as welding, diving, inerting, etc., additional requirements apply which are not covered in this International Standard.

Maintenance, repair, marking, lapelling, inspection and retesting of gas cylinders, which are normally under the responsibility of the gas cylinder owner, are also not included in this International Standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 32, Gas cylinders for medical use — Marking for identification of content

ISO 5145:2004, Cylinder valve outlets for gases and gate mixtures — Selection and dimensioning

ISO 7225, Gas cylinders — Precautionary labels

ISO/TR 7470, Valve outlets for gas cylinders — List of provision which are either standardized or in use

ISO 10286, Gas cylinders — Terminology

ISO 11117, Gas cylinders — Valve protection caps and valve guards Sesign, construction and tests

ISO 13769, Gas cylinders — Stamp marking

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10286 and the following apply.

3.1

air line mask

breathing mask connected to a pipeline (the 'air line') with breathable air

3.2

handling

moving, connecting or disconnecting a gas cylinder under normal conditions of use