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**Transportable gas cylinders — Inspection  
and maintenance of cylinder valves**

*Bouteilles à gaz transportables — Contrôle et maintenance des robinets  
de bouteilles*



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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.

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 22434 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

# Transportable gas cylinders — Inspection and maintenance of cylinder valves

## 1 Scope

This International Standard specifies the requirements for the inspection and maintenance of cylinder valves, including valves with integrated pressure regulators (VIPR) (see ISO 22435).

This International Standard may be applied to cylinder valves at the time of the periodic inspection of gas cylinders, bundles, drums and trailers, and at any other time, e.g. at change of gas service (see ISO 11621). It does not apply to routine inspection of cylinder valves carried out at the time of cylinder filling.

NOTE National standards and regulations may apply to maintenance of cylinder valves.

## 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 6406:2005, *Gas cylinders — Seamless steel gas cylinders — Periodic inspection and testing*

ISO 10156, *Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets*

ISO 10297, *Transportable gas cylinders — Cylinder valves — Specification and type testing*

ISO 10463, *Cylinders for permanent gases — Inspection at time of filling*

ISO 10691, *Gas cylinders — Refillable welded steel cylinders for Liquefied Petroleum Gas (LPG) — Procedures for checking before, during and after filling*

ISO 11113, *Cylinders for liquefied gases (excluding acetylene and LPG) — Inspection at time of filling*

ISO 11372, *Gas cylinders — Cylinders for dissolved acetylene — Inspection at time of filling*

ISO 11755, *Gas cylinders — Cylinder bundles for compressed and liquefied gases (excluding acetylene) — Inspection at time of filling*

ISO 13341, *Transportable gas cylinders — Fitting of valves to gas cylinders*

ISO 14245, *Gas cylinders — Specifications and testing of LPG cylinder valves — Self-closing*

ISO 14246, *Transportable gas cylinders — Gas cylinder valves — Manufacturing tests and inspection*

ISO 15001, *Anaesthetic and respiratory equipment — Compatibility with oxygen*

ISO 15995, *Gas cylinders — Specifications and testing of LPG cylinder valves — Manually operated*

ISO 22435, *Gas cylinders — Cylinder valves with integrated pressure regulator — Specification and type testing*