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Second edition
2006-01-15

Transportable gas cylinders — Cylinder valves — Specification and type testing

*Bouteilles à gaz transportables — Robinets de bouteilles —
Spécifications et essais de type*



Reference number
ISO 10297:2006(E)

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Published in Switzerland

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Foreword

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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 10297 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

This second edition cancels and replaces the first edition (ISO 10297:1999), which has been technically revised.

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Introduction

Cylinder valves are fitted on gas cylinders used in, for example, industrial, medical and breathing applications. Such valves have to perform safely and reliably for at least the cylinder test period, often in hazardous situations.

Valves complying with this International Standard can be expected to perform satisfactorily under normal services conditions.

This International Standard pays particular attention to:

- suitability of materials;
- dimensions of inlet connections;
- dimensions of outlet connections;
- safety (mechanical strength, endurance, resistance to ignition);
- leakage;
- cleanliness;
- testing;
- identification.

NOTE For satisfactory service, valves are manufactured and batch tested to ISO 14246.