



National Standards Authority of Ireland

IRISH STANDARD

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ICS 23.020.30

**TRANSPORTABLE GAS CYLINDERS - GAS
CYLINDER VALVES - MANUFACTURING
TESTS AND INSPECTIONS (ISO 14246:2001)**

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English version

**Transportable gas cylinders - Gas cylinder valves -
Manufacturing tests and inspections (ISO 14246:2001)**

Bouteilles à gaz transportables - Robinets de bouteilles à
gaz - Essais de fabrication et contrôles (ISO 14246:2001)

Ortsbewegliche Gasflaschen - Gasflaschen-Ventile -
Herstellungsprüfungen und Überprüfungen (ISO
14246:2001)

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Foreword

The text of EN ISO 14246:2001 has been prepared by Technical Committee CEN/TC 23 "Transportable gas cylinders", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 58 "Gas cylinders".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2001, and conflicting national standards shall be withdrawn at the latest by October 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Gas cylinders are usually fitted with a valve to contain the gas or allow its discharge. Requirements for the specification and type testing of cylinder valves are given in EN 849.

1 Scope

This Standard specifies the requirements for tests and inspections of gas cylinder valves at time of manufacture.

This Standard is applicable to valves to be fitted to industrial and medical gas cylinders, up to 150 l water capacity, intended to convey compressed, liquefied or dissolved gases.

This Standard is only applicable to valves operated by a hand wheel or a key.

This Standard is not applicable to valves for breathing equipment, fire extinguishers, cryogenic equipment and liquefied petroleum gas (LPG).

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 720-2	<i>Transportable gas cylinders - Gases and gas mixtures - Part 2: Determination of flammability and oxidizing ability of gases and gas mixtures¹</i>
EN 849	<i>Transportable gas cylinders - Cylinder valves - Specification and type testing²</i>
EN ISO 11114-3	<i>Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 3: Autogenous ignition test in oxygen atmosphere (ISO 11114-3:1997)</i>

3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply :

3.1 shift

period of continuous work not exceeding one day

¹ technically equivalent to ISO 10156:1996

² technically equivalent to ISO 10297:1999

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