BS EN ISO 17871:2020+A1:2024

BSI Standards Publication

Gas cylinders — Quick-release cylinder valves — Specification and type testing

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National foreword

This British Standard is the UK implementation of EN ISO 17871:2020+A1:2024. It is identical to ISO 17871:2020, incorporating amendment 1:2024. It supersedes BS EN ISO 17871:2020, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee PVE/3/1, Gas containers - Valve fittings for gas containers.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 17871:2020+A1

April 2024

ICS 23.020.35

Supersedes EN ISO 17871:2015

English Version

Gas cylinders - Quick-release cylinder valves - Specification and type testing (ISO 17871:2020)

Bouteilles à gaz - Robinets de bouteilles à ouverture rapide - Spécifications et essais de type (ISO 17871:2020)

Gasflaschen - Schnellöffnungs-Flaschenventile - Spezifikation und Baumusterprüfung (ISO 17871:2020)

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European foreword

This document (EN ISO 17871:2020) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with Technical Committee CEN/TC 23 “Transportable gas cylinders” the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

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

This document supersedes EN ISO 17871:2015.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 17871:2020 has been approved by CEN as EN ISO 17871:2020 without any modification.

European foreword to amendment A1

This document (EN ISO 17871:2020/A1:2024) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with Technical Committee CEN/TC 23 “Transportable gas cylinders” the secretariat of which is held by BSI.

This Amendment to the European Standard EN ISO 17871:2020 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

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This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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Endorsement notice

The text of ISO 17871:2020/Amd 1:2024 has been approved by CEN as EN ISO 17871:2020/A1:2024 without any modification.

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Foreword

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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 (see www. iso. org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www. iso. org/iso/foreword. html.

This document was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 23, *Transportable gas cylinders,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 17871:2015), which has been technically revised. It also incorporates the Amendment ISO 17871:2015/Amd 1:2018.

The main changes compared to the previous edition are as follows:

— extension of the scope to valves for pressure drums and tubes;

— addition of the valve burst test pressure;

— deletion of the flame impingement test;

— deletion of internal leak tightness test at −40 °C for quick-release cylinder valves only used for fixed fire-fighting systems installed in buildings;

— complete revision of 4.2.11 and Annex A.

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