

Gas cylinders - Cylinder bundles for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling (ISO 11755:2005)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 11755:2020 sisaldab Euroopa standardi EN ISO 11755:2020 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 11755:2020 consists of the English text of the European standard EN ISO 11755:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.10.2020.	Date of Availability of the European standard is 07.10.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 23.020.35

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EUROPEAN STANDARD

EN ISO 11755

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2020

ICS 23.020.35

English Version

Gas cylinders - Cylinder bundles for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling (ISO 11755:2005)

Bouteilles à gaz - Cadres de bouteilles pour gaz comprimés et liquéfiés (à l'exclusion de l'acétylène) - Inspection au moment du remplissage (ISO 11755:2005)

Gasflaschen - Flaschenbündel für verdichtete und verflüssigte Gase (ausgenommen Acetylen) - Prüfung zum Zeitpunkt des Füllens (ISO 11755:2005)

This European Standard was approved by CEN on 28 September 2020.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of ISO 11755:2005 has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11755:2020 by 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 April 2021, and conflicting national standards shall be withdrawn at the latest by April 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.

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Endorsement notice

The text of ISO 11755:2005 has been approved by CEN as EN ISO 11755:2020 without any modification.

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 11755 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 first edition (ISO 11755:1996), which has been technically revised.

Introduction

Transportable gas cylinder bundles require inspection before, during and after the filling process to ensure that all components are suitable for the intended filling conditions, and are free of serious defects and contamination that can affect the integrity of the bundle.

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

1 Scope

This International Standard specifies the requirements for inspection before, during and after the time of filling for cylinder bundles for compressed and liquefied gases, also referred to as bundles.

This International Standard does not apply to acetylene bundles.

This International Standard does not apply to bundles when they are a part of a battery vehicle.

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, *Gas cylinders — Seamless steel gas cylinders — Periodic inspection and testing*

ISO 10461, *Gas cylinders — Seamless aluminium-alloy gas cylinders — Periodic inspection and testing*

ISO 11623, *Transportable gas cylinders — Periodic inspection and testing of composite gas cylinders*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

compressed gas

gas which, when packaged under pressure for transport, is entirely gaseous at $-50\text{ }^{\circ}\text{C}$

NOTE This category includes all gases with a critical temperature less than or equal to $-50\text{ }^{\circ}\text{C}$.

3.2

cylinder bundle bundle

transportable assembly of gas cylinders which is designed for being routinely lifted and which consists of a frame and two or more cylinders, each of water capacity up to 150 l, connected to a manifold by cylinder valves or fittings such that the cylinders are filled, transported and emptied without disassembly

3.3

frame

structural and non-structural members of a gas cylinder bundle which combine all its components together, whilst providing protection for the bundle's cylinders, valves and manifold, and which enable the bundle to be transported

3.4

cylinder valve

valve which is fitted into a cylinder and to which a manifold is connected