



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 11755:2020

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

**I.S. EN ISO 11755:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 11755:2020 is the adopted Irish version of the European Document EN ISO 11755:2020, Gas cylinders - Cylinder bundles for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling (ISO 11755:2005)

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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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**EN ISO 11755:2020 (E)**

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of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.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

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I.S. EN ISO 11755:2020

# INTERNATIONAL STANDARD

# ISO 11755

Second edition  
2005-06-01

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

*Bouteilles à gaz — Cadres de bouteilles pour gaz comprimés et liquéfiés  
(à l'exclusion de l'acétylène) — Inspection au moment du remplissage*



Reference number  
ISO 11755:2005(E)

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**ISO 11755:2005(E)**

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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 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.

# 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

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