



Technical Report

ISO/TR 7470

Gas cylinders — List of provisions

Bouteilles à gaz — Inventaire des dispositions

**Fourth edition
2026-08**

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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.

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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*.

This fourth edition cancels and replaces the third edition (ISO/TR 7470:2023), which has been technically revised.

The main changes are as follows:

— the tables have been provided in a spreadsheet available at: <https://standards.iso.org/iso/tr/7470/ed-4/en/>

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html

Gas cylinders — List of provisions

1 Scope

This document lists gas cylinders valve outlets in use.

This document provides details of thread types and sizes.

NOTE Complete descriptions of particular valve outlets are given in national standards.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Valve outlets by countries and by threads

[Table 1](#) lists the gas and the corresponding tabs in the spreadsheet available at: <https://standards.iso.org/iso/tr/7470/ed-4/en/>, where the nominal dimensions, designations and references of valve outlets found in national standards are presented by country and by thread type. All of the pressures are given in bar. In case of doubt, refer to the applicable valve outlet standard.

NOTE The pressure ratings are taken from the standards. The pressure rating for compressed gas normally corresponds to the working pressure of the gas cylinder and for liquefied gases to the test pressure of the gas cylinder.

Table 1 — List of gas with the corresponding tabs

Gas	UN number	Valve outlets by countries	Valve outlets by threads
1,1-DIFLUOROETHANE	1030	Table 1	Table 2
1,1,1,2-TETRAFLUROETHANE (R134a)	3159	Table 3	Table 4
1,1,1-TRICHLOROTRIFLUOROETHANE		Table 5	Table 6
1,1,2-TRICHLOROTRIFLUOROETHANE (R113)		Table 7	Table 8
1,1-DICHLOROTETRAFLUROETHANE (R114a)		Table 9	Table 10
1,1-DIFLUOROETHYLENE	1959	Table 11	Table 12
1,2-DIBROMOTETRAFLUROETHANE (R114B2)		Table 13	Table 14
1,2-DICHLORODIFLUOROETHYLENE		Table 15	Table 16
1,2-DICHLOROETHYLENE (R1130)	1150	Table 17	Table 18
1,2-DICHLOROHEXAFLUOROCYCLOBUTANE (RC316)		Table 19	Table 20
1,3-BUTADIENE-1,3	1010	Table 21	Table 22