



Valve outlets for gas cylinders — List of provisions which are either standardized or in use

Sorties de robinets des bouteilles à gaz — Inventaire des dispositions normalisées ou utilisées

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.

The main task of ISO technical committees is to prepare International Standards. In exceptional circumstances a technical committee may propose the publication of a technical report of one of the following types :

- type 1, when the necessary support within the technical committee cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development requiring wider exposure;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example).

Technical reports are accepted for publication directly by ISO Council. Technical reports types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical reports type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/TR 7470 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*.

The reasons which led to the decision to publish this document in the form of a technical report type 3 are explained in the Introduction.

This second edition cancels and replaces the first edition (ISO/TR 7470 : 1981), of which it constitutes a technical revision. The following alterations have been made: the outlets used in Finland and Japan have been inserted and those used in the Netherlands and Italy have been completed; some outlet threads used in Australia have been given new designations; the names of some gases have been altered to conform with the nomenclature of the International Union of Pure and Applied Chemistry (IUPAC) (the former names are given in parentheses).

0 Introduction

This document, which is for information purposes, was drawn up by Sub-committee 2, *Cylinder fittings*, of Technical Committee ISO/TC 58, *Gas cylinders*, and approved by the latter. In view of the usefulness of the information which it contains, the ISO Council has decided to publish it as a reference document.

1 Scope and field of application

This Technical Report lists the gas cylinder valve outlets in use within the countries of ISO member bodies. Its purpose is to prevent further proliferation.

It is recommended that before allocating a valve outlet to a particular gas service, member bodies should consult tables 2 to 5 and select, if possible, that outlet associated with the gas which has been adopted by the greatest number of countries.

This Technical Report only provides details of the thread type and size. For a more complete description of a particular valve outlet, reference should be made to the corresponding national standard.

2 Abbreviations

The abbreviations used in the fourth column of table 1 designate the national standards produced by the following ISO member bodies:

National standard designation:	ISO member body
ANSI:	American National Standards Institute (ANSI)
AS:	Standards Association of Australia (SAA)
BS:	British Standards Institution (BSI)
CS:	Standards Council of Canada (SCC)
DIN:	Deutscher Institut für Normung (DIN)
NEN:	Nederlandse Normalisatie-Instituut (NNI)
NF:	Association française de normalisation (AFNOR)
SFS:	Suomen Standardisoimisliitto (SFS)
SMS:	Standardiseringskommissionen i Sverige (SIS)
UNI:	Ente Nazionale Italiano di Unificazione (UNI)

3 Codes

The following codes¹⁾ have been used in drawing up tables 2 to 5.

AT:	Austria
AU:	Australia
CA:	Canada
CN:	China
CS:	Czechoslovakia
DE:	Germany, Federal Republic of
DK:	Denmark
FI:	Finland
FR:	France
GB:	United Kingdom
HU:	Hungary
IE:	Ireland
IL:	Israel
IN:	India
IT:	Italy
JP:	Japan

1) Taken from ISO 3166, *Codes for the representation of names of countries*.

NL: Netherlands
NO: Norway
NZ: New Zealand
PL: Poland
SE: Sweden
SU: Union of Soviet Socialist Republics
US: United States
ZA: South Africa, Republic of