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Gas cylinders - Outlet connections for gas cylinder valves for compressed breathable air - Part 2: Threaded connections

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 12209-2:2001 sisaldab Euroopa standardi EN ISO 12209-2:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 04.04.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 12209-2:2001 consists of the English text of the European standard EN ISO 12209-2:2000.</p> <p>This document is endorsed on 04.04.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of EN ISO 12209 specifies the characteristics of the threaded type outlet connections for gas cylinder valves for compressed breathable air cylinders, up to a maximum cylinder working pressure of 230 bar and 300 bar. It states the fundamental requirements for both the connection and its components and includes basic dimensions.</p>	<p>Scope: This part of EN ISO 12209 specifies the characteristics of the threaded type outlet connections for gas cylinder valves for compressed breathable air cylinders, up to a maximum cylinder working pressure of 230 bar and 300 bar. It states the fundamental requirements for both the connection and its components and includes basic dimensions.</p>
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ICS 23.060.40

Võtmesõnad: bottles, closures, compressed gas, compressed gases, dimensions, gas cylinder valves, gas cylinders, gas technology, gases, inhaled air, medical technology, medicine, screwed connections, side support, thread-connections, valves

English version

Gas cylinders

Outlet connections for gas cylinder valves for
compressed breathable air

Part 2: Threaded connections
(ISO 12209-2 : 2000)

Bouteilles à gaz – Raccords de sortie
pour robinets de bouteilles à gaz
pour air comprimé respirable –
Partie 2: Raccords filetés
(ISO 12209-2 : 2000)

Ortsbewegliche Gasflaschen – Ventil-
seitenstutzen für Gasflaschenventile
für verdichtetes Atemgas –
Teil 2: Gewindeanschlüsse
(ISO 12209-2 : 2000)

This European Standard was approved by CEN on 2000-11-15.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 12209-2 : 2000 Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Part 2: Threaded connections,

which was prepared by ISO/TC 58 'Gas cylinders' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 23 'Transportable gas cylinders', the Secretariat of which is held by BSI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 12209-2 : 2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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1 Scope

This part of ISO 12209 specifies the characteristics of the threaded type outlet connections for gas cylinder valves for compressed breathable air cylinders, up to a maximum cylinder working pressure of 230 bar and 300 bar. It states the fundamental requirements for both the connection and its components and includes basic dimensions.

This part of ISO 12209 is not applicable to connections described in EN 144-2^[1].

Annex A gives the outlet connection prototype qualification test procedures.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12209. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12209 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 228-1:2000, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation.*

ISO 2768-1:1989, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications.*

ISO 10297, *Gas cylinders — Cylinder valves — Specification and type testing.*

ISO 11114-1, *Transportable gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 1: Metallic materials.*

3 General requirements

3.1 General

Basic dimensions for the connections and components are shown on Figures 1, 3, 5, 6, 8 and 10 and are specified in Tables 1, 2, 3, 4, 5 and 6 respectively.

Unless otherwise specified, the general tolerances of form and position shall be in accordance with class m of ISO 2768-1:1994.