



SWEDISH
STANDARDS
INSTITUTE

SVENSK STANDARD SS-EN ISO 10692-2

Fastställt	Utgåva	Sida
2001-09-07	1	1 (1+11)

© Copyright SIS. Reproduction in any form without permission is prohibited.

Gas cylinders – Gas cylinder valve connections for use in the micro-electronics industry – Part 2: Specification and type testing for valve to cylinder connections (ISO 10692-2:2001)

The European Standard EN ISO 10692-2:2001 has the status of a Swedish Standard. This document contains the official English version of EN ISO 10692-2:2001.

Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

Gasflaskor – Ventilanslutningar för användning inom mikroelektronik – Del 2: Specifikation för och typprovning av anslutningen mellan ventil och gasflaska (ISO 10692-2:2001)

Europastandarden EN ISO 10692-2:2001 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN ISO 10692-2:2001.

Motsvarigheten och aktualiteten i svensk standard till de publikationer som omnämns i denna standard framgår av "Katalog över svensk standard", som ges ut av SIS. I katalogen redovisas internationella och europeiska standarder som fastställts som svenska standarder och övriga gällande svenska standarder.

ICS 23.020.30

Standarder kan beställas hos SIS Förlag AB som även lämnar allmänna upplysningar om svensk och utländsk standard.
Postadress: SIS Förlag AB, 118 80 STOCKHOLM
Telefon: 08 - 555 523 00. Telefax: 08 - 555 523 11
E-post: sis.sales@sis.se. Internet: www.sisforlag.se

Upplysningar om **sakinnehållet** i standarden lämnas av SIS.
Telefon: 08 - 555 520 00. Telefax: 08 - 555 520 01

Tryckt i oktober 2001

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10692-2

August 2001

ICS 23.020.30

English version

**Gas cylinders - Gas cylinder valve connections for use in the
microelectronics industry - Part 2: Specification and type testing
for valve to cylinder connections (ISO 10692-2:2001)**

Bouteilles à gaz - Raccords pour robinets de bouteilles à gaz pour l'industrie de la microélectronique - Partie 2: Spécifications et essais de type pour les raccords entre le robinet et la bouteille (ISO 10692-2:2001)

Ortsbewegliche Gasflaschen - Ventilanschlüsse für die Anwendung in der Mikroelektronik - Teil 2: Spezifikation und Typprüfung der Verbindungen Ventil/Flasche (ISO 10692-2:2001)

This European Standard was approved by CEN on 16 June 2001.

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 Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 General requirements	5
4 Sequence for safety tests	6
5 Test report	6
6 630 and 640 series connections	5
Annex A (informative) Test sequence for performance tests	7
Annex B (informative) Helium leak test procedure	8
Annex C (informative) Vibration test procedure	9
Bibliography	10
Annex ZA (normative) Normative references to international publications with their relevant European publications	11

Foreword

The text of the International Standard ISO 10692-2:2001 has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with 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 February 2002, and conflicting national standards shall be withdrawn at the latest by February 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 10692-2:2001 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

Introduction

While there are ISO standards for a tapered thread system of connecting gas cylinders and cylinder valves, this technology is not always suitable for cylinders and valves for gases which are used in some microelectronics applications. These applications require that the gas be almost completely free of particles which can be generated by the fitting of a valve to a cylinder. This part of ISO 10692 specifies a prototype test programme for the valve to cylinder connection for these special applications. Whilst passing the required safety tests, existing connecting systems such as tapered threads may not necessarily pass the recommended tests for durability and other operational features. Because of the opportunity for new technical solutions, this is a performance standard rather than a document detailing a dimensioned system.