

**SLOVENSKI STANDARD**  
**oSIST prEN ISO 11118:2010**  
**01-marec-2010**

---

**Plinske jeklenke - Kovinske jeklenke za enkratno polnitev - Specifikacije in preskusne metode (ISO/DIS 11118:2009)**

Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods (ISO/DIS 11118:2009)

Gasflaschen - Metallische Einwegflaschen - Spezifikation und Prüfmethoden (ISO/DIS 11118:2009)

Bouteilles à gaz - Bouteilles à gaz métalliques non rechargeables - Spécifications et méthodes d'essai (ISO/DIS 11118:2009)

**Ta slovenski standard je istoveten z: prEN ISO 11118**

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>

**ICS:**

23.020.30

V|æ } ^Ä [ • [ å ^ Ä | ä • \ ^  
b\ | ^ } \ ^

Pressure vessels, gas  
cylinders

**oSIST prEN ISO 11118:2010**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN ISO 11118**

November 2009

ICS 23.020.30

English Version

## Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods (ISO/DIS 11118:2009)

Bouteilles à gaz - Bouteilles à gaz métalliques non  
rechargeables - Spécifications et méthodes d'essai  
(ISO/DIS 11118:2009)

Gasflaschen - Metallische Einwegflaschen - Spezifikation  
und Prüfmethode (ISO/DIS 11118:2009)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 23.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

## Contents

Page

Foreword.....	3
---------------	---

# iTeh Standards (<https://standards.iteh.ai>) Document Preview

SIST EN ISO 11118:2016

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>

## Foreword

This document (prEN ISO 11118:2009) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with the Technical Committee CEN/TC 23 "Transportable gas cylinders" the secretariat of which is held by BSI.

This document is currently submitted to the parallel Enquiry.

### Endorsement notice

The text of ISO/DIS 11118:2009 has been approved by CEN as a prEN ISO 11118:2009 without any modification.

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[SIST EN ISO 11118:2016](https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016)

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>





## DRAFT INTERNATIONAL STANDARD ISO/DIS 11118

ISO/TC 58/SC 3

Secretariat: BSI

Voting begins on:  
2009-11-26Voting terminates on:  
2010-04-26

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Gas cylinders — Non-refillable metallic gas cylinders — Specification and test methods

*Bouteilles à gaz — Bouteilles à gaz métalliques non rechargeables — Spécifications et méthodes d'essai*

[Revision of first edition (ISO 11118:1999)]

ICS 23.020.30

iTeh Standards  
(<https://standards.iteh.ai>)

## Doc ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

**In accordance with the provisions of Council Resolution 15/1993 this document is circulated in the English language only.**

**Conformément aux dispositions de la Résolution du Conseil 15/1993, ce document est distribué en version anglaise seulement.**

**To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.**

**Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.**

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

SIST EN ISO 11118:2016

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>

**Copyright notice**

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.



## Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms, definitions and symbols .....	2
4 Symbols.....	4
5 Materials .....	4
6 Inspection and testing .....	7
7 Design.....	7
8 Construction and workmanship .....	8
9 Type approval procedure.....	13
10 Batch tests .....	18
11 Tests on every cylinder – Pressure and leak tests .....	18
12 Markings .....	19
13 Certificate of Design.....	20
14 Certificate of Compliance .....	20
Annex A (Informative) New Design Type Approval Certificate.....	22
Annex B TYPE APPROVAL TEST DATA .....	23
Annex C (Informative) Certificate of Compliance.....	25
Bibliography.....	27

## 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 11118 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 3, *Cylinder design*.

This second edition cancels and replaces the first edition (ISO 11118:1999), which has been technically revised.

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

SIST EN ISO 11118:2016

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>

## Introduction

The purpose of this International Standard is to provide a specification for the design, manufacture, inspection and testing of non-refillable metallic gas cylinders for worldwide usage. The objective is to balance design and economic efficiency against international acceptance and universal utility.

This International Standard aims to eliminate the concern about climate, duplicate inspections and restrictions currently existing because of lack of definitive International Standards. This International Standard should not be considered as reflecting on the suitability of the practice of any nation or region.

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[SIST EN ISO 11118:2016](https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016)

<https://standards.iteh.ai/catalog/standards/sist/a1273298-6ba8-4ff0-ab18-312f24bd27f5/sist-en-iso-11118-2016>