

Gas cylinders - Valve protection caps and valve guards - Design, construction and tests

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 11117:2008 sisaldab Euroopa standardi EN ISO 11117:2008 ingliskeelset teksti. Standard on kinnitatud Eesti Standardikeskuse 15.12.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas. Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 01.09.2008. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 11117:2008 consists of the English text of the European standard EN ISO 11117:2008. This standard is ratified with the order of Estonian Centre for Standardisation dated 15.12.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation. Date of Availability of the European standard text 01.09.2008. The standard is available from Estonian standardisation organisation.
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ICS 11.040.10, 23.020.30

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English Version

Gas cylinders - Valve protection caps and valve guards -
Design, construction and tests (ISO 11117:2008)

Bouteilles à gaz - Chapeaux fermés et chapeaux ouverts
de protection des robinets - Conception, construction et
essais (ISO 11117:2008)

Gasflaschen - Ventilschutzkappen und Ventilschutzkörper -
Auslegung, Bau und Prüfungen (ISO 11117:2008)

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Foreword

This document (EN ISO 11117:2008) 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of an identical text or by endorsement, at the latest by March 2009, and conflicting national standards shall be withdrawn at the latest by March 2009.

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Endorsement notice

The text of ISO 11117:2008 has been approved by CEN as EN ISO 11117:2008 without any modification.

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
4.1 Cap.....	2
4.2 Guard.....	2
4.3 Testing.....	2
5 Materials	7
6 Type testing	7
6.1 General.....	7
6.2 Documentation.....	7
6.3 Number of test samples.....	7
6.4 Preliminary check.....	7
6.5 Torque test (one test).....	7
6.6 Axial test (one test).....	8
6.7 Drop test.....	8
7 Marking	9
8 Test report	9
Annex A (normative) Marking of caps	10

Introduction

This International Standard covers devices intended for the protection of gas cylinder valves, where such protection is required, for example, where the valve is unable to meet the impact test requirements of the relevant valve standard to allow safe transport, handling and storage without such protection.

This International Standard specifies the principal dimensions, requirements for fitment and drop test procedure, to confirm the provision of adequate valve protection, in the event of the occurrence of a cylinder toppling from its base.

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1 Scope

This International Standard specifies the requirements for valve protection caps and guards for gas cylinders.

This International Standard defines tests for checking the mechanical strength and physical properties of the valve protection cap or valve guard.

This International Standard applies to protection devices for valves used on cylinders for liquefied, dissolved or compressed gases. This International Standard excludes protection devices for cylinders with a water capacity of 5 l or less and cylinders whereby the protection device is fixed by means of lugs welded or brazed to the cylinder, or is welded or brazed directly to the cylinder. This International Standard does not cover valve protection for breathing apparatus cylinders.

This International Standard does not specify all the requirements that may be necessary to enable the valve protection device to be used for lifting the cylinder.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10297, *Transportable gas cylinders — Cylinder valves — Specification and type testing*

ISO 14245, *Gas cylinders — Specifications and testing of LPG cylinder valves — Self-closing*

ISO 15995, *Gas cylinders — Specifications and testing of LPG cylinder valves — Manually operated*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

valve protection cap

cap

device securely fixed over the valve during handling, transportation and storage and which is removed for access to the valve

3.2

valve guard

guard

device protecting the valve during handling, transportation, storage

NOTE The guard need not be removed to provide access to the valve.