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Equipment for fire protection and fire fighting - Fire extinguishing media - Carbon dioxide (ISO 5923:2012)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN ISO 5923:2012 consists of the English text of the European standard EN ISO 5923:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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EUROPEAN STANDARD

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Equipment for fire protection and fire fighting - Fire extinguishing media - Carbon dioxide (ISO 5923:2012)

Équipement de protection et de lutte contre l'incendie -Agents extincteurs - Dioxyde de carbone (ISO 5923:2012) Ausrüstung für Brandschutz und Brandbekämpfung -Löschmittel - Kohlenstoffdioxid (ISO 5923:2012)

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

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Foreword

This document (EN ISO 5923:2012) has been prepared by Technical Committee ISO/TC 21 "Equipment for fire protection and fire fighting" in collaboration with Technical Committee CEN/TC 191 "Fixed firefighting systems" 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of an identical text or by endorsement, at the latest by February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 5923:2012 has been approved by CEN as a EN ISO 5923:2012 without any modification.

Con	Contents	
Forew	vord	iv
Introd	duction	v
1	Scope	
2	Normative references	1
3	Terms and definitions	1
4	Requirements	1
5 5.1 5.2 5.3	Sampling General Sampling equipment Procedure	
6 6.1 6.2 6.3 6.4 6.5	Methods of test Safety warning Purity Water content Oil content Total sulfur compounds content	
7	Packaging and labelling	
	x A (informative) Determination of water content	
	x B (normative) Determination of oil content	
	x C (normative) Determination of total sulfur compounds content	
	x D (informative) General properties	
	x E (normative) Precautions for handling	
Annex	x F (informative) Compatibility	14
Anne	x G (informative) Toxicology	

Introduction

This International Standard is one of a series of other International Standards giving specifications for fire extinguishing media in common use and which are in need of a specification for fire fighting purposes. These specifications are designed to establish that the medium in question has at least a minimum useful fire extinguishing capability and can therefore be reasonably sold for fire extinguishing purposes.

Requirements for media used in particular equipment will form the subject of future International Standards.

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of carbon c. Annexes A to C of this International Standard specify methods for determining, respectively, water, oil and total sulfur compounds contents. Annexes D to G provide important information on, and give recommendations relating to, the safety and use of carbon dioxide, and they should be read carefully by all concerned with this medium.

Equipment for fire protection and fire fighting — Fire extinguishing media — Carbon dioxide

1 Scope

This International Standard specifies requirements for carbon dioxide for use as a fire extinguishing medium.

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 385:2005, Laboratory glassware — Burettes

ISO 648:2008, Laboratory glassware — Single-volume pipettes

ISO 2591-1:1988, Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate

ISO 3310-1:2000, Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth

3 Terms and definitions

For the purposes of this document, the following definition applies.

3.1

carbon dioxide

 $C0_2$

chemical compound CO2 used as a fire extinguishing medium

4 Requirements

Carbon dioxide shall comply with the requirements of Table 1 below, when tested by the appropriate method of test specified in Clause 6.

Table 1 — Requirements for carbon dioxide properties

Requirements
99,5
0,015
5
5,0

NOTE Carbon dioxide obtained by converting dry ice to liquid will not usually comply with these requirements unless it has been properly processed to remove excess water and oil.

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