



SLOVENSKI STANDARD SIST EN ISO 20421-2:2017

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Nadomešča:

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Kriogene posode - Velike premične, vakuumsko izolirane posode - 2. del: Zahteve za obratovanje (ISO 20421-2:2017)

Cryogenic vessels - Large transportable vacuum-insulated vessels - Part 2: Operational requirements (ISO 20421-2:2017)

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Kryo-Behälter - Große ortsbewegliche vakuumisolierte Behälter - Teil 2: Betriebsanforderungen (ISO 20421-2:2017)

[SIST EN ISO 20421-2:2017](https://standards.itih.ai/catalog/standards/sist/66666487-bc10-426f-9061-f78979017a/sist-en-iso-20421-2-2017)

Réceptifs cryogéniques - Grands réceptifs transportables, isolés, sous vide - Partie 2: Exigences de fonctionnement (ISO 20421-2:2017)

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23.020.40 Proti mrazu odporne posode Cryogenic vessels
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EUROPEAN STANDARD

EN ISO 20421-2

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Supersedes EN 13530-3:2002

English Version

Cryogenic vessels - Large transportable vacuum-insulated vessels - Part 2: Operational requirements (ISO 20421-2:2017)

Réceptifs cryogéniques - Grands réceptifs transportables, isolés, sous vide - Partie 2: Exigences de fonctionnement (ISO 20421-2:2017)

Kryo-Behälter - Große ortsbewegliche vakuumisolierte Behälter - Teil 2: Betriebsanforderungen (ISO 20421-2:2017)

This European Standard was approved by CEN on 15 February 2017.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 20421-2:2017) has been prepared by Technical Committee ISO/TC 220 “Cryogenic vessels” in collaboration with Technical Committee CEN/TC 268 “Cryogenic vessels and specific hydrogen technologies applications” the secretariat of which is held by AFNOR.

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 August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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.

This document supersedes EN 13530-3:2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 20421-2:2017 has been approved by CEN as EN ISO 20421-2:2017 without any modification.

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INTERNATIONAL STANDARD

ISO 20421-2

Second edition
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Cryogenic vessels — Large transportable vacuum-insulated vessels —

Part 2: Operational requirements

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*Réipients cryogéniques — Grands réipients transportables, isolés,
sous vide —*
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Partie 2: Exigences de fonctionnement

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ISO 20421-2:2017(E)**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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 220, *Cryogenic vessels*.

This second edition cancels and replaces the first edition (ISO 20421-2:2005), which has been technically revised.

<https://standards.iteh.ai/catalog/standards/sist/66666487-bcb0-426f-9061-fc789790f27a/sist-en-iso-20421-2-2017>

A list of all parts in the ISO 20421 series can be found on the ISO website.

Introduction

Elements of this document support the requirements of the UN-Recommendations on the Transport of Dangerous Goods and other international, national or local requirements.

Large transportable cryogenic vessels are often partly equipped by the manufacturer, but may be completed or re-equipped by another party, such as the operator or owner. For this reason, some of the scope of this document, which includes putting into service, inspection, filling, maintenance and emergency procedures, overlaps with ISO 20421-1.

This document applies to vessels for cryogenic fluids, primarily as specified in ISO 20421-1. It may also be used for vessels for cryogenic fluids manufactured and designed to other standards, e.g. EN 13530-2. In case of conflict between the requirements of this document with applicable regulations, regulations take precedence.

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