

BS EN ISO 21028-1:2016



BSI Standards Publication

Cryogenic vessels — Toughness requirements for materials at cryogenic temperature

Part 1: Temperatures below -80 °C
(ISO 21028-1:2016)



National foreword

This British Standard is the UK implementation of EN ISO 21028-1:2016. It supersedes BS EN 1252-1:1998 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PVE/18, Cryogenic vessels.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2016

ISBN 978 0 580 83703 6

ICS 23.020.40

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2016.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

**Cryogenic vessels - Toughness requirements for materials
at cryogenic temperature - Part 1: Temperatures below
-80 °C (ISO 21028-1:2016)**

Réceptacles cryogéniques - Exigences de ténacité pour
les matériaux à température cryogénique - Partie 1:
Températures inférieures à -80 °C (ISO 21028-1:2016)

Kryo-Behälter - Zähigkeitsanforderungen an
Werkstoffe bei kryogenen Temperaturen - Teil 1:
Temperaturen unter -80 °C (ISO 21028-1:2016)

This European Standard was approved by CEN on 7 August 2016.

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European foreword

This document (EN ISO 21028-1:2016) 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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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This document supersedes EN 1252-1:1998.

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For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

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Endorsement notice

The text of ISO 21028-1:2016 has been approved by CEN as EN ISO 21028-1:2016 without any modification.

Annex ZA

(informative)

Relationship between this European Standard and the Essential Requirements of Directive 2014/68/EU of the European Parliament and of the Council of 15 May 2014 on the harmonization of the laws of the Member States relating to the making available on the market of pressure equipment

This European Standard has been prepared under a Commission's standardization request, M/071 Pressure Equipment, to provide one voluntary means of conforming to Essential Requirements of the New Approach Directive 2014/68/EU "Pressure Equipment Directive" of the European Parliament and of the Council of 15 May 2014.

Once this standard is cited in the Official Journal of the European Union under that Directive compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 2014/68/EU of the European Parliament and of the Council of 15 May 2014

Essential Requirements of Directive 2014/68/EU	Clause(s)/subclause(s) of this EN	Remarks/Notes
Annex I § 2.2.3 b)	Subclauses 4.1 and 4.2	Impact strength
Annex I § 7.5	Subclause 4.2	Material characteristics

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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