



SLOVENSKI STANDARD
SIST EN 13445-2:2014/A2:2018
01-julij-2018

Neogrevane (nekurjene) tlačne posode - 2. del: Materiali - Dopolnilo A2

Unfired pressure vessels - Part 2: Materials

Unbefeuerte Druckbehälter - Teil 2: Werkstoffe

Réipients sous pression non soumis à la flamme - Partie 2 : matériaux

Ta slovenski standard je istoveten z: EN 13445-2:2014/A2:2018

[SIST EN 13445-2:2014/A2:2018](https://standards.iteh.ai/catalog/standards/sist/43fe8dd9-66ee-48b4-bfb7-1a58eb2688e4/sist-en-13445-2-2014-a2-2018)

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ICS:

23.020.32 Tlačne posode Pressure vessels

SIST EN 13445-2:2014/A2:2018 **en,fr,de**

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EUROPEAN STANDARD

EN 13445-2:2014/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2018

ICS 23.020.30

English Version

Unfired pressure vessels - Part 2: Materials

Réceptifs sous pression non soumis à la flamme -
Partie 2 : Matériaux

Unbefeuerte Druckbehälter - Teil 2: Werkstoffe

This amendment A2 modifies the European Standard EN 13445-2:2014; it was approved by CEN on 19 April 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This amendment 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13445-2:2014/A2:2018) has been prepared by Technical Committee CEN/TC 54 “Unfired pressure vessels”, 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 November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of EN 13445-2:2014.

This document includes the text of the amendment itself. The amended/corrected pages of EN 13445-2:2014 will be published in the new Edition 2018 of the European Standard.

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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EN 13445-2:2014/A2:2018 (E)**1 Modification to Clause 1, Scope**

Replace the text by the following:

"This European Standard specifies the requirements for steel products used for unfired pressure vessels.

For some metallic materials other than steel, such as spheroidal graphite cast iron, aluminium, nickel, copper, titanium, requirements are or will be formulated in separate parts of this European Standard.

For metallic materials which are not covered by a harmonized material standard and are not likely to be in near future, specific rules are given in this part or the above cited parts of this European Standard."

2 Modification to Clause 2, Normative references

Between EN 764-3:2002 and EN 1092-1:2007, add:

"EN 764-4:2002, *Pressure equipment — Part 4: Establishment of technical delivery conditions for metallic materials*".

Delete the following reference:

"EN 10164:2004, *Steel products with improved deformation properties perpendicular to the surface of the product — Technical delivery conditions*".

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3 Modifications to 4.2.1, Special properties

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Delete the whole Subclause 4.2.1.2.

Delete the number and title of Subclause 4.2.1.1:

"

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4.2.1.1 General

".

4 Modification to 4.3.3, Particular material appraisals

Add the following sentence: "For the preparation of a PMA EN 764-4 shall be taken into account."

5 Modification to B.2.3.1, General

Add the following text as a new 4th paragraph:

"If the impact energy KV requirement of 40 J instead of 27 J is used, then the impact test temperature T_{KV} can be increased by 10 °C or T_R can be reduced by 10 °C."

6 Modification to E.2, European standardised steels grouped according to product forms

Add the following text before Table E.2-1:

"Table E.2-1 is revised regularly. Grades covered in harmonized material standards which are referenced in the Official Journal of the European Commission can be applied as harmonized grades even if they are not listed in this table. Nevertheless requirements defined in part 2 shall be fulfilled.

Stake holders aiming at an early publication of new harmonized grades in Table E.2-1 should get in contact with CEN/TC 54/WG 52 (CEN/TC 267/WG 2) to announce their project and ask for inclusion.”.

7 Modification to the final Bibliography

Replace Bibliographical Reference [11] to EN 764-4:2002 with the following one:

"

[11] EN 10164, *Steel products with improved deformation properties perpendicular to the surface of the product — Technical delivery conditions*".

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