# STN

### Ochladzovače a mraziace vitríny na profesionálne použitie Klasifikácia, požiadavky a skúšobné podmienky (ISO 22042: 2021)

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Blast chiller and freezer cabinets for professional use - Classification, requirements and test conditions (ISO 22042:2021)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/21

Obsahuje: EN ISO 22042:2021, ISO 22042:2021

Oznámením tejto normy sa ruší STN EN 17032 (14 2717) z júna 2018

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

**EN ISO 22042** 

October 2021

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Supersedes EN 17032:2018

#### **English Version**

# Blast chiller and freezer cabinets for professional use - Classification, requirements and test conditions (ISO 22042:2021)

Cellules de refroidissement et de surgélation rapide pour usage professionnel - Classification, exigences et conditions d'essai (ISO 22042:2021) Schnellkühl- und Schockfrostkabinen für den gewerblichen Gebrauch - Klassifizierung, Anforderungen und Prüfbedingungen (ISO 22042:2021)

This European Standard was approved by CEN on 18 March 2021.

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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.

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

## EN ISO 22042:2021 (E)

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### **European foreword**

This document (EN ISO 22042:2021) has been prepared by Technical Committee ISO/TC 86 "Refrigeration and air-conditioning" in collaboration with Technical Committee CEN/TC 44 "Commercial and Professional Refrigerating Appliances and Systems, Performance and Energy Consumption" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by April 2022, and conflicting national standards shall be withdrawn at the latest by April 2022.

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 supersedes EN 17032:2018.

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

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN websites.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

#### **Endorsement notice**

The text of ISO 22042:2021 has been approved by CEN as EN ISO 22042:2021 without any modification.

EN ISO 22042:2021 (E)

# Annex ZA

(informative)

# Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EU) No 2015/1095 aimed to be covered

This European Standard has been prepared under a Commission's standardization request M/495 EN and its Amendment No. 1 Technical Update (ANNEX B OF M/495) to provide one voluntary means of conforming to the ecodesign requirements of Commission Regulation (EU) No 2015/1095 of 5 May 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers.

Once this standard is cited in the Official Journal of the European Union under that Regulation, 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 ecodesign requirements of that Regulation and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Commission Regulation (EU) No 2015/1095 of 5 May 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers and Commission's standardisation request M/495 EN and its Amendment No. 1 Technical Update

Ecodesign Requirements of Regulation (EU) No 2015/1095	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Annex II 2c (i)	3.3, 7	Equipment designed to be used with a remote condensing unit (not supplied with the blast cabinet itself) is not covered
Annex II 2c (ii)	4.1, 7	Equipment designed to be used with a remote condensing unit (not supplied with the blast cabinet itself) is not covered
Annex II 2c (iii)	5, 6, 7	Equipment designed to be used with a remote condensing unit (not supplied with the blast cabinet itself) is not covered
Annex II 2c (iiii)	7	Equipment designed to be used with a remote condensing unit (not supplied with the blast cabinet itself) is not covered

**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 products falling within the scope of this standard.

# INTERNATIONAL STANDARD

ISO 22042

First edition 2021-03

# Blast chiller and freezer cabinets for professional use — Classification, requirements and test conditions

Cellules de refroidissement et de surgélation rapide pour usage professionnel — Classification, exigences et conditions d'essai



Reference number ISO 22042:2021(E)

ISO 22042:2021(E)



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ISO 22042:2021(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 <a href="www.iso.org/directives">www.iso.org/directives</a>).

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 <a href="https://www.iso.org/patents">www.iso.org/patents</a>).

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

For an explanation of the voluntary nature of standards, 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 <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 86, *Refrigeration and air-conditioning*, Subcommittee SC 7, *Testing and rating of commercial refrigerated display cabinets*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 44, *Commercial and professional refrigerating appliances and systems, performance and energy consumption*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

# Blast chiller and freezer cabinets for professional use — Classification, requirements and test conditions

#### 1 Scope

This document specifies the requirements for the verification of performance and energy consumption of blast cabinets for professional use in commercial kitchens, hospitals, canteens, institutional catering and similar professional areas.

The appliances covered by this document are intended to rapidly cool down hot foodstuffs up to a load capacity of  $300 \, \mathrm{kg}$ .

This document applies to:

- blast chillers;
- blast freezers:
- multi-use blast chillers/freezers.

The following appliances are not covered:

- roll-in cabinet;
- pass-through cabinet;
- cabinets with remote condensing unit;
- cabinets with water cooled condenser;
- blast chilling and freezing tunnels;
- continuous blast-chilling and blast-freezing equipment;
- bakery combined freezing and storage units.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN