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BSI Standards Publication

Refrigerated display scooping cabinets and pozzetto for gelato — Classification, requirements, performance and energy consumption testing

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National foreword

This British Standard is the UK implementation of EN 16838:2024. It supersedes BS EN 16838:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RHE/19, Commercial refrigerated food cabinets (cold room and display cases).

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

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UK Government is responsible for legislation. For information on legislation and policies relating to that legislation, consult the relevant pages of www.gov.uk.

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EUROPEAN STANDARD **EN 16838**

NORME EUROPÉENNE

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English Version

Refrigerated display scooping cabinets and pozzetto for gelato - Classification, requirements, performance and energy consumption testing

Vitrines réfrigérées de vente de glace et pozzetti - Classification, exigences, performance et essai de consommation énergétique

Verkaufskühlmöbel und Pozzetti für Speiseeis - Klassifizierung, Anforderungen, Leistung und Energieaufnahmeprüfung

This European Standard was approved by CEN on 30 September 2024.

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European foreword

This document (EN 16838:2024) has been prepared by 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of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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 16838:2019.

EN 16838:2024 includes the following significant technical changes with respect to EN 16838:2019:

— addition of Annexes ZA and ZB;

— definition of the split system and relevant method for the measurement of energy consumption.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annexes ZA and ZB, which are integral parts of this document.

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

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Türkiye and the United Kingdom.

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1 Scope

This document specifies classification, requirements for the construction, performance and energy consumption testing of:

— gelato scooping cabinets used for sale and display of artisan and self-made gelato;

— pozzetto used for sale of artisan and self-made gelato, without any display function.

It specifies test conditions and methods for checking that the requirements have been satisfied, their marking and the list of their characteristics to be declared by the manufacturer.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60335-1:2020, *Household and similar electrical appliances — Safety — Part 1: General requirements*

IEC 60335-2-89:2019, *Household and similar electrical appliances — Safety — Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor*

ISO 5149-2:2014, *Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and documentation*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

3.1
gelato scooping cabinets
refrigerating appliance with a direct sales function which enables artisan and self-made gelato contained in tubs to be stored, displayed and scooped within prescribed temperature limits

Note 1 to entry: Artisan and self-made gelato are hereafter called “gelato”.

3.2
pozzetto
refrigerating appliance with a direct sales function which enables artisan and self-made gelato contained in tubs to be stored and scooped within prescribed temperature limits

Note 1 to entry: Pozzetto is not provided of a display function.

3.3
storage section
non-visible part of the gelato scooping cabinet used only to store the product, separated from the display volume and with a different access