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Interested committees:

Title: Draft BS EN 378-3 Refrigerating systems and heat pumps - Safety and environmental requirements. Part 3: Installation site and personal protection.

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- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Refrigerating systems and heat pumps - Safety and environmental requirements - Part 3: Installation site and personal protection

Systèmes frigorifiques et pompes à chaleur - Exigences de sécurité et d'environnement - Partie 3 : Installation in situ et protection des personnes

Kälteanlagen und Wärmepumpen - Sicherheitstechnische und umweltrelevante Anforderungen - Teil 3: Aufstellungsort und Schutz von Personen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 182.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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 (prEN 378-3:2025) has been prepared by Technical Committee CEN/TC 182 "Refrigerating systems, safety and environmental requirements", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 378-3:2016+A1:2020.

prEN 378-3:2025 includes the following significant technical changes with respect to EN 378-3:2016+A1:2020:

Editorial changes to [Clause 4](#) for better readability and more clarity;

- Changed heading of subclause [4.6](#) to "Refrigerating equipment in location class IV";
- Updated [Clause 5](#) "Machinery rooms";
- Updated [Clause 6](#) "Requirements for alternative provisions";
- Updated [Clause 9](#) "Fixed refrigerant gas detectors";
- Removed 10.4 "Maintenance of the site".

EN 378 consists of the following parts under the general title "Refrigerating systems and heat pumps — Safety and environmental requirements":

- Part 1: Basic requirements, definitions, classification and selection criteria
- Part 2: Design, construction, testing, marking and documentation
- Part 3: Installation site and personal protection
- Part 5: Safety classification and information about refrigerants

[\[1\]](#) applies for operation, maintenance, repair and recovery.

Introduction

The introduction of [\[2\]](#) is applicable.

1 Scope

This document specifies the requirements for the safety of persons and property, provides guidance for the protection of the environment and establishes procedures for the operation, maintenance and repair of refrigerating systems and the recovery of refrigerants.

The term “refrigerating system” used in this document includes heat pumps.

This Part 3 of the [3] series is applicable to the installation site (plant space and services). It specifies requirements on the site for safety, which can be needed because of, but not directly connected with, the refrigerating system and its ancillary components.

This document applies:

- a) to refrigerating systems, stationary or mobile, of all sizes except to vehicle air conditioning systems covered by a specific product standard e.g. [4];
- b) to secondary cooling or heating systems;
- c) to the location of the refrigerating systems;
- d) to replaced parts and added components after adoption of this document if they are not identical in function and in the capacity.

Systems using refrigerants other than those listed in of [5] are not covered by this document.

This document does not apply to goods in storage.

This document is not applicable to refrigerating systems which were manufactured before the date of its publication, except for extensions and modifications to the system which were implemented after publication.

This document is applicable to new refrigerating systems, extensions or modifications of already existing systems, and for existing stationary systems, being transferred to and operated on another site.

This document also applies in the case of the conversion of a system for another refrigerant type, in which case conformity with the relevant clauses of [3] parts 1, 2, 3 and 5 and [1] is assessed.

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.

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 7010:2019, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

prEN 378-1, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Basic requirements, definitions, classification and selection criteria*

prEN 378-1, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Basic requirements, definitions, classification and selection criteria*

prEN 378-1, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Basic requirements, definitions, classification and selection criteria*

prEN 378-2, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation*

prEN 378-2 rev, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation*

prEN 378-5, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 5: Safety classification and information about refrigerants*

prEN 378-5, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 5: Safety classification and information about refrigerants*

EN 1507, *Ventilation for buildings - Sheet metal air ducts with rectangular section - Requirements for strength and leakage*

EN ISO 13850:2015, *Safety of machinery - Emergency stop function - Principles for design (ISO 13850:2015)*

EN ISO 14122-2:2016, *Safety of machinery - Permanent means of access to machinery - Part 2: Working platforms and walkways (ISO 14122-2:2016)*

EN 14624, *Performance of portable locating leak detectors and of fixed gas detectors for all refrigerants*

EN 14624:2020, *Performance of portable locating leak detectors and of fixed gas detectors for all refrigerants*

EN 15154-5:2019, *Emergency safety showers - Part 5: Water overhead body showers for sites other than laboratories*

EN 50104, *Electrical equipment for the detection and measurement of oxygen - Performance requirements and test methods*

EN IEC 60079-10-1:2021, *Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres*

EN IEC 60079-10-1:2021, *Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres*

EN 60204-1:2018, *Safety of machinery - Electrical equipment of machines - Part 1: General requirements*

EN 60529:1991, *Degrees of protection provided by enclosures (IP Code)*

EN 1364, (all parts), *Fire resistance tests for non-load bearing elements*

EN 12236, *Ventilation for buildings — Ductwork hangers and supports — Requirements for strength*

EN 12845, *Fixed firefighting systems — Automatic sprinkler systems — Design, installation and maintenance*

EN 50104:2019, *Electrical equipment for the detection and measurement of oxygen - Performance requirements and test methods*

prEN 378-5:2026, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 5: Safety classification and information about refrigerants*

3 Terms, definitions and abbreviated terms

For the purposes of this document, the terms and definitions given in prEN 378-1 apply.

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

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>