

STN	Vykurovacie a chladiace systémy budov Montáž a odovzdávanie/preberanie vodných vykurovacích a chladiacích systémov	STN EN 14336 06 0812
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Heating systems in buildings - Installation and commissioning of water based heating and cooling systems

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. 09/25

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EUROPEAN STANDARD
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EN 14336

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Supersedes EN 14336:2004

English Version

**Heating systems in buildings - Installation and
commissioning of water based heating and cooling
systems**

Systèmes de chauffage dans les bâtiments - Installation
et commissionnement des systèmes de chauffage à eau

Heizungsanlagen in Gebäuden - Installation und
Abnahme der Warmwasser-Heizungsanlagen

This European Standard was approved by CEN on 21 April 2025.

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. 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 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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 14336:2025) has been prepared by Technical Committee CEN/TC 228 “Heating systems and water-based cooling systems in buildings”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.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 14336:2004.

In comparison with the previous edition EN 14336:2004, the following technical modifications have been made:

- new technologies are covered;
- inclusion of new test procedures;
- editorial organization to facilitate the use of this document within a comprehensive commissioning process.

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.

EN 14336:2025 (E)**Introduction**

The subjects covered by CEN/TC 228 are the following:

- design of water-based heating and cooling systems;
- installation of heating systems;
- commissioning of heating systems;
- instructions for operation, maintenance and use of heating systems;
- methods for calculation of the design heat loss and heat loads;
- methods for calculation of the energy performance of heating systems.

Heating systems also include the effect of attached systems such as hot water production systems.

All these standards are systems standards, i.e. they are based on requirements addressed to the system as a whole and not dealing with requirements to the products within the system.

Where possible, reference is made to other European or International Standards, such as product standards. However, use of products complying with relevant product standards is no guarantee of compliance with the system requirements.

The requirements are mainly expressed as functional requirements, i.e. requirements dealing with the function of the system and not specifying shape, material, dimensions or the like.

The guidelines describe ways to meet the requirements, but other ways to fulfil the functional requirements might be used if fulfilment can be proved.

Heating systems differ among the member countries due to climate, traditions and national regulations. In some cases, requirements are given as classes so national or individual needs may be accommodated.

In cases where the standards contradict with national regulations, the latter should be followed.

Figure 1 illustrates the basic sequence of the installation and commissioning process.

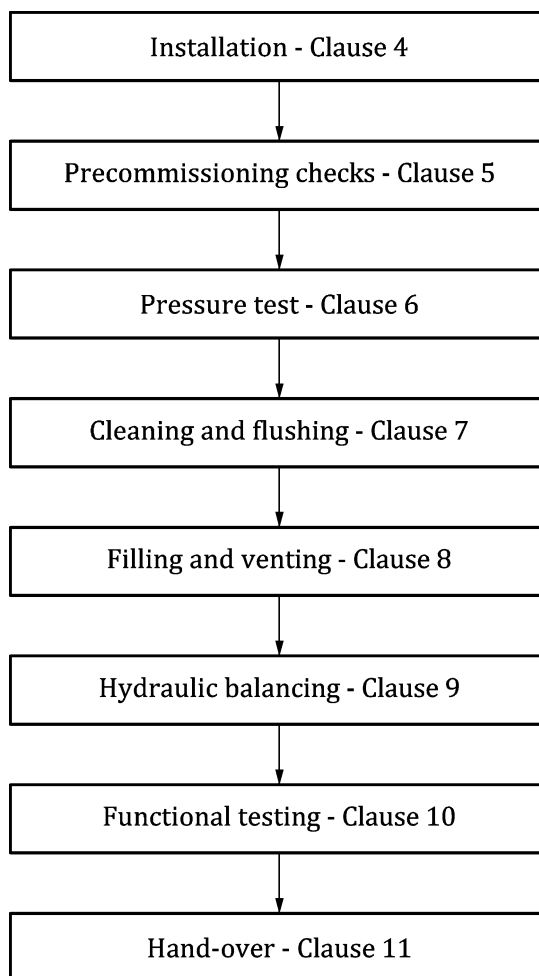


Figure 1 — Installation and commissioning process

EN 14336:2025 (E)**1 Scope**

This document specifies the requirements for the installation and commissioning of water-based heating, water-based cooling, and heating of domestic hot water (DHW) systems in buildings with a maximum operating temperature of 105 °C.

This document is applicable to the commissioning of systems as a whole, in cases of new systems, renovations and replacement of equipment.

This document does not apply to superheated water systems or steam systems and it does not apply to the specific commissioning requirements for individual components (e.g. how to set fuel/air ratio on a burner). Also, it does not apply to the installation or commissioning of attached systems (e.g. air conditioning, domestic hot water distribution, ventilation systems).

This document specifies only technical requirements but it does not specify any commercial or contractual arrangements between parties.

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.

EN 12170, *Heating systems in buildings — Procedure for the preparation of documents for operation, maintenance and use — Heating systems requiring a trained operator*

EN 12171, *Heating systems in buildings — Procedure for the preparation of documents for operation, maintenance and use — Heating systems not requiring a trained operator*

EN 61082-1, *Preparation of documents used in electrotechnology — Part 1: Rules (IEC 61082-1)*

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