Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 10: Humidity controlled extract air terminal device

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13141-10:2008 sisaldab Euroopa standardi EN 13141-10:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 21.07.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 07.05.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 13141-10:2008 consists of the English text of the European standard EN 13141-10:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 21.07.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 07.05.2008.

The standard is available from Estonian standardisation organisation.

ICS 91.140.30

Võtmesõnad:

Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

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EUROPEAN STANDARD

EN 13141-10

NORME EUROPÉENNE EUROPÄISCHE NORM

May 2008

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English Version

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 10: Humidity controlled extract air terminal device

Ventilation des bâtiments - Essais de performance des composants/produits pour la ventilation des logements -Partie 10 : Bouche d'extraction d'air hygroréglable Lüftung von Gebäuden - Leistungsprüfungen von Bauteilen/Produkten für die Lüftung von Wohnungen - Teil 10: Feuchtegeregelte Abluftdurchlässe

This European Standard was approved by CEN on 11 April 2008.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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Cont	tents	Page
Forew	ord	
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Symbols and abbreviations	5
5 5.1 5.1.1 5.1.2 5.1.3	Performance testing of aerodynamic and hygro-dynamic characteristics Aero and hygro-dynamic performances Principle Test installation, conditions and uncertainty of measurement Test procedure	6 6 6
5.1.4 5.1.5	Analysis of results Test report	
5.2	Other tests	14
5.2.1 5.2.2	Time response test Performance testing of acoustic characteristics	
-		
	graphy	

Foreword

This document (EN 13141-10:2008) has been prepared by Technical Committee CEN/TC 156 "Ventilation for buildings", 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 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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

This document is one of a series of standards on residential ventilation. The performance characteristics of the components/products for residential ventilation are given in EN 13142.

The position of this document in the field of the mechanical building services is shown in Figure 1.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, and the Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

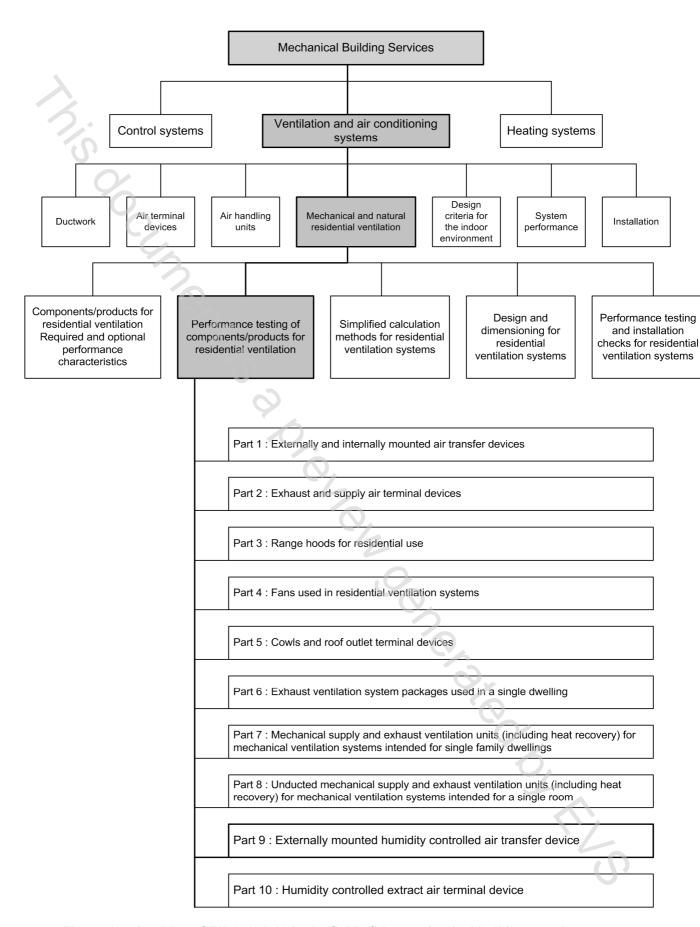


Figure 1 — Position of EN 13141-10 in the field of the mechanical building services

1 Scope

This European Standard specifies laboratory methods for testing humidity controlled exhaust air terminal devices.

This European Standard applies to all controlled devices on indoor humidity, used in mechanical and natural powered residential ventilation systems. For instance, devices of the following types:

- humidity controlled devices with a manually adjustable opening;
- humidity controlled devices with fixed setting;
- humidity controlled devices self-adjusting on pressure difference.

This European Standard describes tests intended to characterize:

- aero and hygro-dynamic performance;
- acoustic characteristics (including noise production of the device; insertion loss of the device; sound insulation);
- time response.

2 Normative references

The following referenced documents are indispensable for the application 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 12792:2003, Ventilation for buildings — Symbols, terminology and graphical symbols

EN 13141-2:2004, Ventilation for buildings — Performance testing of components/products for residential ventilation - Part 2: Exhaust and supply air terminal devices

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12792:2003, EN 13141-2:2004 and the following apply.

3.1

hysteresis

value defined as the difference of relative humidity, read on the response curve for the same flow, in % RH

4 Symbols and abbreviations

For the purposes of this document, the symbols and units given in EN 12792:2003 and the symbols and units given in Table 1 apply.