

Thermostatic radiator valves - Requirements and test methods

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 215:2004 sisaldab Euroopa standardi EN 215:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 215:2004 consists of the English text of the European standard EN 215:2004.</p> <p>This document is endorsed on 23.09.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies definitions, requirements and test methods for thermostatic radiator valves (referred to hereafter as thermostatic valves). This standard applies to two port thermostatic valves with or without pre-setting facility for fitting to radiators in wet central heating installations up to a water temperature of 120 °C and a nominal pressure of PN 10. This standard further specifies the dimensions, the materials and the connection details of four series of straight and angle pattern thermostatic radiator valves of nominal pressure ? PN 10. This standard can be used as reference in a CEN/CENELEC Certification Mark System on thermostatic radiator valves.</p>	<p>Scope: This European Standard specifies definitions, requirements and test methods for thermostatic radiator valves (referred to hereafter as thermostatic valves). This standard applies to two port thermostatic valves with or without pre-setting facility for fitting to radiators in wet central heating installations up to a water temperature of 120 °C and a nominal pressure of PN 10. This standard further specifies the dimensions, the materials and the connection details of four series of straight and angle pattern thermostatic radiator valves of nominal pressure ? PN 10. This standard can be used as reference in a CEN/CENELEC Certification Mark System on thermostatic radiator valves.</p>
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ICS 91.140.10

Võtmesõnad:

English version

Thermostatic radiator valves

Requirements and test methods

Robinets thermostatiques d'équipe-
ment du corps de chauffe – Exi-
gences et méthodes d'essai

Thermostatische Heizkörperventile –
Anforderungen und Prüfung

This European Standard was approved by CEN on 2004-04-08.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This document (EN 215:2004) has been prepared by CMC

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 2004, and conflicting national standards shall be withdrawn at the latest by December 2004.

This document will supersede EN 215-1:1987 and HD 1215-2:1988.

This European Standard constitutes the merging of EN 215-1:1987 and HD 1215-2:1988, according to Resolution BT 80/1998. The merging has been provided such that HD 1215:1988 has been included into prEN 215 mainly as a normative annex.

The work on radiator valves started in September 1982 in CEN/TC 105 with the aim of drafting a standard for requirements and a test procedure to form the basis of a possible certification scheme for radiator valves. EN 215-1:1987 was first accepted by CEN on 1986-10-28, published in July 1987, and a Corrigendum EN 215:1987/AC 1:1987 was published in November 1987.

This European Standard incorporates the corrigendum, and it will thus supersede EN 215-1:1987 and EN 215-1:1987/ AC 1:1987.

This European Standard further includes HD 1215-2:1988, which was first accepted by CEN on 1987-08-13, published in September 1988, and a Corrigendum HD 1215-2:1988/AC1:1989 was published in March 1989.

This European Standard incorporates the corrigendum, and will supersede HD 1215-2:1988 and HD 1215-2:1988/AC1:1989.

This European Standard can be used as a reference for a CEN/CENELEC Certification Mark System on radiator valves.

Annex A is normative. Annex B is informative.

This document includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European Standard specifies definitions, requirements and test methods for thermostatic radiator valves (referred to hereafter as thermostatic valves).

This standard applies to two port thermostatic valves with or without pre-setting facility for fitting to radiators in wet central heating installations up to a water temperature of 120 °C and a nominal pressure of PN 10.

This standard further specifies the dimensions, the materials and the connection details of four series of straight and angle pattern thermostatic radiator valves of nominal pressure \leq PN 10.

This standard can be used as reference in a CEN/CENELEC Certification Mark System on thermostatic radiator valves.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1982	<i>Copper and copper alloys - Ingots and castings.</i>
EN 12164	<i>Copper and copper alloys - Rod for free machining purposes.</i>
EN 12168	<i>Copper and copper alloys - Hollow rod for free machining purposes.</i>
EN 12420	<i>Copper and copper alloys – Forgings.</i>
EN 12449	<i>Copper and copper alloys - Seamless, round tubes for general purposes.</i>
EN ISO 228-1	<i>Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation (ISO 228-1:2000).</i>
ISO 7-1	<i>Pipe threads where pressure-tight joints are made on the threads - Part 1: Dimensions, tolerances and designation.</i>
ISO 965-1	<i>ISO general purpose metric screw threads -Tolerances - Part 1: Principles and basic data.</i>
ISO 7268	<i>Pipe components – Definition of nominal pressure.</i>

3 Terms and definitions

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