

Water equipment inside buildings - Nitrate removal devices - Requirements for performance, safety and testing

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15219:2007 sisaldab Euroopa standardi EN 15219:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.01.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15219:2007 consists of the English text of the European standard EN 15219:2006.</p> <p>This document is endorsed on 29.01.2007 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 requirements relating to the construction and mode of operation and relevant methods of testing of automatic, salt-regenerated, anion exchange nitrate removal devices for drinking water installations inside buildings which are permanently connected to the mains supply.</p>	<p>Scope: This European Standard specifies requirements relating to the construction and mode of operation and relevant methods of testing of automatic, salt-regenerated, anion exchange nitrate removal devices for drinking water installations inside buildings which are permanently connected to the mains supply.</p>
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ICS 91.140.60

Võtmesõnad:

ICS 91.140.60

English Version

Water equipment inside buildings - Nitrate removal devices -
Requirements for performance, safety and testing

Appareil de traitement d'eau à l'intérieur des bâtiments -
Dénitratation - Spécifications de performances, de sécurité
et d'essais

Anlagen zur Behandlung von Trinkwasser innerhalb von
Gebäuden - Nitratentfernungsgeräte - Anforderungen an
Ausführung, Sicherheit und Prüfung

This European Standard was approved by CEN on 4 November 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Requirements	6
4.1 Nitrate removal devices specification	6
4.2 Quality of materials and chemicals	7
4.3 Design and manufacturing specifications	7
4.4 Operating specifications	8
4.5 Installation specifications	9
5 Labelling	10
5.1 Identification of equipment	10
5.2 Safety labelling	10
6 Technical documentation	10
7 Test methods	11
7.1 Test conditions	11
7.2 Anion exchange resin	13
7.3 Technical documentation	13
7.4 Manufacturing tests	13
7.5 Operating characteristics	15
Annex A (informative) Principles of nitrate reduction using anionic exchange resins	18
A.1 Nitrate effects	18
A.2 Nitrate removal with anionic resins	18
A.3 Selective and non-selective resins	18
A.4 Softening and nitrate removal with mixed beds	19
Bibliography	20

Foreword

This document (EN 15219:2006) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

With respect of potential adverse effects on the quality of water intended for human consumption caused by the product covered by this European Standard, the following is pointed out to the user:

- 1) this European Standard provides no information as to whether the product may be used without restriction in any of the Member States;
- 2) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European Standard specifies requirements relating to the construction and mode of operation and relevant methods for testing automatic, salt-regenerated, anion exchange nitrate removal devices for drinking water installations inside buildings, which are permanently connected to the mains supply.

NOTE Products intended for use in water supply systems are to comply, when existing, with national regulations and testing arrangements that ensure fitness for contact with drinking water. The Member State's relevant regulators and the EC Commission agreed on the principle for a future unique European Acceptance Scheme (EAS) which would provide a common testing and approval arrangement at European level.

If and when the EAS is adopted, European Standards on products will be amended by the addition of an Annex Z/EAS under Mandate M/136, which will contain formal references to the testing, certification and product marking requirements of the EAS. Until the EAS comes into force, the current national regulations remain applicable.

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 973, *Chemicals used for treatment of water intended for human consumption — Sodium chloride for regeneration of ion exchangers*

EN 1717, *Protection against pollution of potable water in water installations and general requirements of devices to prevent pollution by backflow*

EN 14743, *Water conditioning equipment inside buildings — Softeners — Requirements for performance, safety and testing*

EN 60335-1, *Household and similar electrical appliances — Safety — Part 1: General requirements (IEC 60335-1:2001, modified)*

EN ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation (ISO 228-1:2000)*

EN ISO 3822-1, *Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations — Part 1: Method of measurement (ISO 3822-1:1999)*

EN ISO 3822-3, *Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations — Part 3: Mounting and operating conditions for in-line valves and appliances (ISO 3822-3:1984)*

EN ISO 10304-1, *Water quality — Determination of dissolved fluoride, chloride, nitrite, orthophosphate, bromide, nitrate and sulphate ions, using liquid chromatography of ions — Part 1: Method for water with low contamination (ISO 10304-1:1992)*

EN ISO 11885, *Water quality — Determination of 33 elements by inductively coupled plasma atomic emission spectroscopy (ISO 11885:1996)*

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*