

Domestic appliances used for drinking water treatment not connected to water supply - Jug water filter systems - Safety and performance requirements, labeling and information to be supplied

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Domestic appliances used for drinking water treatment
not connected to water supply - Jug water filter systems -
Safety and performance requirements, labeling and
information to be supplied**

Appareils domestiques de traitement de l'eau non connectés au réseau d'alimentation en eau - Systèmes de carafes filtrantes d'eau - Exigences de sécurité et de performance, étiquetage et informations à fournir

Leitungsungebundene Haushaltsgeräte zur Behandlung von Trinkwasser - Haushaltswasserfiltersysteme - Sicherheits- und Leistungsanforderungen, Kennzeichnung und mitzuliefernde Informationen

This European Standard was approved by CEN on 7 May 2018.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 17093:2018) has been prepared by Technical Committee CEN/TC 426 “Domestic appliances used for water treatment not connected to water supply”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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.

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Introduction

Jug water filter systems are used for the conditioning of drinking water with the objective of optimizing drinking water for specific applications.

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1 Scope

This document describes the specifications and test methods for gravity fed devices for conditioning of drinking water that are not connected to the mains water distribution system in buildings, known as jug water filter systems. It also gives instructions for the user manuals, so that the jug water filter system can be used and maintained properly. Jug water filter systems are intended to modify the properties of drinking water only, and are not designed to make non-potable water safe for drinking. The scope of this document does not extend to combination systems that require an electrical power supply such as water heaters and water coolers systems.

NOTE 1 Although jug water filter systems are covered by the widely harmonized food legislation (EU Regulations 178/2002 and 1935/2004), existing national regulations concerning the use and or the characteristics of these products remain in force

NOTE 2 This standard provides no information as to whether the product is used without restriction in any of the Member States of the EU or EFTA.

NOTE 3 An amendment is being prepared with the following scope: This Amendment provides a validated test method using *Pseudomonas Aeruginosa* (ATCC 15442) as a bacterial indicator in addition to the test procedure using *E. Coli*.

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 12673, *Water quality - Gas chromatographic determination of some selected chlorophenols in water*

EN 12903, *Products used for the treatment of water intended for human consumption - Powdered activated carbon*

EN 12904, *Products used for treatment of water intended for human consumption - Silica sand and silica gravel*

EN 12905, *Products used for treatment of water intended for human consumption - Expanded aluminosilicate*

EN 12906, *Products used for treatment of water intended for human consumption - Pumice*

EN 12907, *Products used for treatment of water intended for human consumption - Pyrolyzed coal material*

EN 12909, *Products used for treatment of water intended for human consumption - Anthracite*

EN 12910, *Products used for treatment of water intended for human consumption - Garnet*

EN 12911, *Products used for treatment of water intended for human consumption - Manganese greensand*

EN 12912, *Products used for treatment of water intended for human consumption - Barite*

EN 12913, *Products used for treatment of water intended for human consumption - Powdered diatomaceous earth*

EN 12914, *Products used for treatment of water intended for human consumption - Powdered perlite*

- EN 12915-1, *Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 1: Virgin granular activated carbon*
- EN 13752, *Products used for treatment of water intended for human consumption - Manganese dioxide*
- EN 13753, *Products used for treatment of water intended for human consumption - Granular activated alumina*
- EN 13754, *Products used for treatment of water intended for human consumption - Bentonite*
- EN 14368, *Products used for treatment of water intended for human consumption - Manganese dioxide coated limestone*
- EN 14369, *Products used for treatment of water intended for human consumption - Iron-coated granular activated alumina*
- EN 26777, *Water quality - Determination of nitrite - Molecular absorption spectrometric method (ISO 6777)*
- EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696)*
- EN ISO 7393-2, *Water quality - Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-dialkyl-1,4-phenylenediamine, for routine control purposes (ISO 7393-2)*
- EN ISO 9308-1, *Water quality - Enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background flora (ISO 9308-1)*
- EN ISO 9963-1, *Water quality - Determination of alkalinity - Part 1: Determination of total and composite alkalinity (ISO 9963-1)*
- EN ISO 10301, *Water quality - Determination of highly volatile halogenated hydrocarbons - Gas-chromatographic methods (ISO 10301)*
- EN ISO 10304-1, *Water quality - Determination of dissolved anions by liquid chromatography of ions - Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate (ISO 10304-1)*
- EN ISO 10523, *Water quality - Determination of pH (ISO 10523)*
- EN ISO 13395, *Water quality - Determination of nitrite nitrogen and nitrate nitrogen and the sum of both by flow analysis (CFA and FIA) and spectrometric detection (ISO 13395)*
- EN ISO 11885, *Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885)*
- EN ISO 17294-2, *Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes (ISO 17294-2)*
- ISO 6059, *Water quality — Determination of the sum of calcium and magnesium — EDTA titrimetric method*
- ISO 7890-3, *Water quality — Determination of nitrate — Part 3: Spectrometric method using sulfosalicylic acid*