

HÜDROLUKUGA WC POTID JA SEADMED

WC pans and WC suites with integral trap

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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English Version

## WC pans and WC suites with integral trap

Cuvettes de WC et cuvettes à réservoir attenant à siphon  
intégréWC-Becken und WC-Anlagen mit angeformtem  
Geruchverschluss

This European Standard was approved by CEN on 9 December 2011 and includes Corrigendum 1 issued by CEN on 18 July 2012 and Amendment 1 approved by CEN on 6 April 2015.

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## Foreword

This document (EN 997:2012+A1:2015) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by March 2017.

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 includes Corrigendum 1 issued by CEN on 18 July 2012 and Amendment 1 approved by CEN on 4 April 2015.

This document supersedes <sup>A1</sup> EN 997:2012 <sup>A1</sup>.

The start and finish of text introduced or altered by amendment is indicated in the text by tags <sup>A1</sup> and <sup>A1</sup>.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags <sup>AC</sup> <sup>AC</sup>.

<sup>A1</sup> This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the EU Construction Products Regulation.

For relationship with EU Construction Products Regulation, see informative Annex ZA, which is an integral part of this document. <sup>A1</sup>

This standard is one of a series of standards for sanitary appliances. Supporting standards are those for flushing devices and connecting dimensions.

<sup>A1</sup> The main changes introduced in EN 997:2012 with respect to the prior edition of this standard were the following: <sup>A1</sup>

- a) by reason of the actual market development, testing the flushing requirements has been specified. In this connection, requirements for test flushing cistern and its calibration have been adjusted to these conditions (introduction of the new parameter impact force);
- b) requirements and test methods for close-coupled suites and one-piece WCs have been extended and adjusted to those for flushing cisterns in accordance with EN 14055.

NOTE Noise level has not been considered in the present amendment. Noise level will be considered as soon as a European test method is available. <sup>1)</sup>

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

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1) Presently, a test method is under elaboration by CEN/TC 126 “Acoustic properties of building products and of buildings”.

## 1 Scope

This European Standard specifies constructional and performance requirements together with test methods for close-coupled suites, one-piece and independent WC pans with integral trap used for personal hygiene manufactured from glazed ceramics or stainless steel.

This European Standard does not apply to squatting toilets, WC pans without integral trap or flushing cisterns as separate appliances.

In the case of independent WC pans, the associated flushing cisterns and pressure valves are covered by other standards and the reference to cisterns in this standard is related only to the definition and requirements of flushing volume.

In the case of close-coupled suites and one-piece WCs, this standard also specifies design, performance requirements and the test methods for designated flushing cisterns with flushing mechanisms, inlet valves and overflows. For these products, this standard covers flushing cisterns designed to be connected to drinking water installations inside buildings.

Before installation of WCs, EN 12056-2 and national requirements need to be taken into consideration.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 12056-2, *Gravity drainage systems inside buildings — Part 2: Sanitary pipework, layout and calculation*

EN 13618, *Flexible hose assemblies in drinking water installations — Functional requirements and test methods*

EN 14124, *Inlet valves for flushing cisterns with internal overflow*

AS 1172-1, *Water closets of 6/3 l capacity — pans*

BS 1212-2:1990, *Float operated valves. Specification for diaphragm type float operated valves (copper alloy body) (excluding floats)*

BS 1212-3:1990, *Float operated valves. Specification for diaphragm type float operated valves (plastics bodied) for cold water services only (excluding floats)*

BS 1212-4:1991, *Float operated valves. Specification for compact type float operated valves for WC flushing cisterns (including floats)*

## 3 Terms and definitions

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

NOTE Drawings are diagrammatic only.