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WC and urinal flushing cisterns

Spülkästen für WC-Becken und Urinale

Réservoirs de chasse d'eau pour WC et urinoirs

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WC and urinal flushing cisterns

Réservoirs de chasse pour WC et urinoirs

Spülkästen für WC-Becken und Urinale

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Foreword

This document (prEN 14055:2007) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

This document is currently submitted to the Unique Acceptance Procedure.

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 Construction Products Directive (89/106/EEC).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

1 Scope

This European Standard specifies design, performance requirements and the test methods for WC and urinal flushing cisterns with flushing mechanism, inlet valve and overflow.

This European Standard covers flushing cisterns designed to be connected to drinking water installations inside buildings.

NOTE Cisterns for one-piece WCs and close-coupled suites are covered by EN 997.

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 997:2003, *WC pans and WC suites with integral trap*

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

EN 13407:2006, *Wall-hung urinals — Functional requirements and test methods*

prEN 13618-1, *Hose assembly - Flexible hose assembly - Part 1: Product standard for flexible hose assembly (with or without braiding)*

prEN 13618-2, *Water supply - Hose assembly - Part 2: Semi-rigid hose assembly*

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

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 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.

3.1

valve-type flushing cistern

cistern with integral valve actuated outlet device, for storage and discharge of a defined volume of flushing water for removal of excrement from a WC pan

3.2

valveless- type flushing cistern

cistern with integral syphonic actuated outlet device, for storage and discharge of a defined volume of flushing water for removal of excrement from a WC pan

NOTE Both types of flushing cisterns are available, as detailed below:

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Wall-hung independent low-level	
Built-in independent	
Wall-hung independent mid-level	
Wall-hung independent high-level	
One-piece integral (with WC pan)	
Close-coupled	

3.3 close-coupled multiple use cistern
close-coupled cistern for use with different WC pans

3.4 independent cistern
cistern mounted separately from a WC pan or urinal

3.5 outlet valve
mechanism for opening and closing the outlet orifice of the cistern

3.6 outlet connection piece
component to facilitate connection between a cistern and a flush pipe

3.7 operating device
device to open, and if applicable, close the outlet valve

3.8 flush pipe
connecting pipe between a flushing cistern's outlet and a WC's or urinal's inlet