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**Sanitarne armature - Tlačni splakovalni ventili in samodejno zapiralni ventili za WC in pisoarje PN 10**

Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN 10

Sanitärarmaturen - WC- und Urinaldruckspüler mit selbsttätigem Abschluss PN 10

Robinetterie sanitaire - Robinets de chasse d'eau et d'urinoirs à fermeture hydraulique automatique PN 10

**Ta slovenski standard je istoveten z: EN 12541:2026**

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**ICS:**

91.140.70      Sanitarne naprave      Sanitary installations

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# Sample Document

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 12541**

April 2026

ICS 91.140.70

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English Version

**Sanitary tapware - Pressure flushing valves and automatic  
closing urinal valves PN 10**

Robinetterie sanitaire - Robinets de chasse d'eau et  
d'urinoirs à fermeture hydraulique automatique PN 10

Sanitärarmaturen - WC- und Urinaldruckspüler mit  
selbsttätigem Abschluss PN 10

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## EN 12541:2026 (E)

### European foreword

This document (EN 12541:2026) 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of an identical text or by endorsement, at the latest by October 2026, and conflicting national standards shall be withdrawn at the latest by October 2026.

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.

This document supersedes EN 12541:2002.

EN 12541:2026 includes the following significant technical changes with respect to EN 12541:2002:

- the document has been technically updated;
- the classifications for flushing and urinal valves have been updated;
- the 4 l flow rate was introduced.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

## Introduction

As for possible unfavourable effects of the product to which this document applies on the quality of water for human consumption, no information is provided by this document on possible use restrictions of the product in any of the member states of the EU or the EFTA.

**NOTE** While awaiting the adoption of verifiable European criteria, attention is also drawn to existing national regulation that can apply.

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**EN 12541:2026 (E)****1 Scope**

This document is applicable to flushing valves for WCs and valves for urinals, with automatic hydraulic closure, intended for:

- WC pans EN 997;
- single flush urinals EN 13407;
- siphon acting urinals EN 13407.

It does not apply to no-contact detection valves.

It is intended to specify:

- marking and identification, physico-chemical, dimensional, leaktightness, pressure behaviour, hydraulic, mechanical endurance and acoustic characteristics of flushing valves for WCs and urinals with automatic closure;
- test methods used to verify these characteristics;
- and to determine requirements for the atmospheric interrupter which shall be an integral part of the WC flushing valve.

It is applicable in the following pressure and temperature conditions (see Table 1):

**Table 1 — Conditions of use for tapware**

<b>Recommended dynamic pressure (<i>P</i>) range</b>	Urinals WC DN15 WC DN20	$0,1 \text{ MPa} \leq P \leq 0,5 \text{ MPa}$ ( $1 \text{ bar} \leq P \leq 5 \text{ bar}$ )
	WC DN25	$0,08 \text{ MPa} \leq P \leq 0,25 \text{ MPa}$ ( $0,8 \text{ bar} \leq P \leq 2,5 \text{ bar}$ )
	WC DN32	$0,08 \text{ MPa} \leq P \leq 0,25 \text{ MPa}$ ( $0,8 \text{ bar} \leq P \leq 2,5 \text{ bar}$ )
<b>Maximum static pressure</b>		1 MPa (10 bar)
<b>Water temperature</b>		$\leq 25 \text{ }^\circ\text{C}$

NOTE Although this document limits the pressure for WC DN25 and WC DN32 valves till 0,25 MPa (2,5 bar), some European countries have legislation and recommendations for higher pressures.

Health and quality requirements in accordance to European and national legislation for final materials in contact with water intended for human consumption are not covered by this document.

**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 248, *Sanitary tapware — General specification for electrodeposited coatings of Ni-Cr*

EN 997, *WC pans and WC suites with integral trap*

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

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)*

EN ISO 3822-4, *Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations — Part 4: Mounting and operating conditions for special appliances (ISO 3822-4)*

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

### 3 Terms and definitions and abbreviated terms

#### 3.1 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

##### 3.1.1

##### **automatic closing valve**

tapware whose opening is operated by a mechanical action on the control device, and whose closure happens automatically after a period of adjustable or non-adjustable duration

##### 3.1.2

##### **WC flushing valve**

automatic closing valve intended to be used with WC pans and comprising an atmospheric interrupter

Note 1 to entry: This shall be in accordance with EN 997.

##### 3.1.2.1

##### **stop valve**

<WC flushing valve> valve used to stop water flow upstream of the flushing valve

Note 1 to entry: It may be integrated into the flushing valve or separate from it.

##### 3.1.2.2

##### **flow control equipment**

manual or automatic equipment controlling the flush flow and which is an integral part of the flushing valve or of the stop valve

Note 1 to entry: If it is part of the stop valve, this latter shall not be linked to the flushing valve by an ISO 228-1 thread.

##### 3.1.2.3

##### **volume control equipment**

equipment used to control the volume of water delivered by a flushing valve