



SLOVENSKI STANDARD

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Sistemski ločevalnik z različnimi nenadzorovanimi območji tlaka - Družina C, tip A

Non controllable backflow preventer with different pressure zones - Family C, type A

Systemtrenner mit unterschiedlichen nicht kontrollierbaren Druckzonen - Familie C, Typ A

Disconnecteur non contrôlable à zones de pression différentes - Famille C, type A

Ta slovenski standard je istoveten z: prEN 14367

ICS:

91.140.60 Sistemi za oskrbo z vodo Water supply systems

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EUROPEAN STANDARD
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prEN 14367

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Non controllable backflow preventer with different pressure zones - Family C, type A

Disconnecteur non contrôlable à zones de pression différentes - Famille C, type A

Systemtrenner mit unterschiedlichen nicht kontrollierbaren Druckzonen - Familie C, Typ A

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prEN 14367:2026 (E)**European foreword**

This document (prEN 14367:2026) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 14367:2005.

prEN 14367:2026 includes the following significant technical changes with respect to EN 14367:2005:

- Scope was updated
- Accuracy chapter was added
- The whole systematic of testing and requirements was revised
- Annex B was deleted and replaced by a new one with order of tests
- All figures were updated
- Editorially revised

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Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this document:

- a) This document provides no information as to whether the product might be used without restriction in any of the Member States of the EU or EFTA.
- b) while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

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prEN 14367:2026 (E)

1 Scope

This document specifies the:

- field of application:
- The dimensional, the physicochemical, the design, the hydraulic, the mechanical and the acoustic characteristics of non-controllable backflow preventer with different pressure zones, family C, type A, nominal sizes DN 6 to DN 25, nominal pressure PN 10.

It is applicable to:

- Family C, type A, class “a” for general use: devices of class “a” can be capable of working:
 - at any pressure up to 1 MPa (10 bar);
 - with any pressure variation up to 1 MPa (10 bar);
 - at a supply temperature limit of 65 °C and 90 °C for 1 h;
- Family C, type A, class “b” for specific use: devices of class “b” shall be capable of working:
 - at any downstream pressure up to 0,3 MPa (3 bar);
 - with any downstream pressure variation up to 0,3 MPa (3 bar); at a supply temperature limit of 65 °C and 90 °C for 1 h;

Class “b” devices can capable of operating: at any downstream pressure up to 300 kPa (3 bar), with any downstream pressure variation up to 300 kPa (3 bar) at a supply temperature limit of 65 °C and 90 °C for 1 h. Class “b” devices with specific hydraulic and non-acoustic requirements and are intended to equip filling devices physically integrated into a single-function (heating) or dual-function (heating and domestic hot water) boiler.

It specifies also:

- test methods and requirements for verifying these characteristics;
- marking;
- presentation and the delivery.

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 1254 (all parts), *Copper and copper alloys — Plumbing fittings*

EN 1267, *Industrial Valves — Test of flow resistance using water as test fluid*

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

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)*

EN ISO 3822-1:1999, *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 3822-3:2018, *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 3822-3:2018)*

EN ISO 6509-1, *Corrosion of metals and alloys — Determination of dezincification resistance of brass (ISO 6509-1:1981)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1717 and the following 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

non controllable backflow preventer with different pressure zones — Family C — Type A

the specific characteristics of this device called “CA”, are as follows:

The device is divided into three zones:

- one upstream zone p_1 ;
- one intermediate zone (p_i not measurable) vented to the atmosphere;
- one downstream zone p_2 .

The device provides disconnection by venting the intermediate pressure zone to the atmosphere when the difference of pressure between the intermediate zone and the upstream zone is less than 10 % of the upstream pressure ($p_i - p_1 < 10 \% p_1$)

It ensures a discharge (backflow rate) through the intermediate zone, at least equal to the given discharge flow rate

Means for the control of the protection device are not included