



SLOVENSKI STANDARD

oSIST prEN 17450-3:2024

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Vgrajeni gasilni sistemi - Sistemi s pršečo vodo - 3. del: Zahteve in preskusne metode za kontrolne ventile

Fixed firefighting systems - Water mist systems - Part 3: Requirements and test methods for check valves

Ortsfeste Brandbekämpfungsanlagen - Wassernebelsysteme - Teil 3: Anforderungen und Prüfverfahren für Rückschlagventile

Installations fixes de contre l'incendie - Systèmes à brouillard d'eau - Partie 3 : Exigences et méthodes d'essai pour les clapets anti-retour

Ta slovenski standard je istoveten z: **prEN 17450-3**

[oSIST prEN 17450-3:2024](#)

ICS:

13.220.10	Gašenje požara	Fire-fighting
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English Version

Fixed firefighting systems - Water mist systems - Part 3:
Requirements and test methods for check valves

Installations fixes de contre l'incendie - Systèmes à
brouillard d'eau - Partie 3 : Exigences et méthodes
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Ortsfeste Brandbekämpfungsanlagen -
Wassernebelsysteme - Teil 3: Anforderungen und
Prüfverfahren für Rückschlagventile

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 191.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Requirements	4
4.1 General design	4
4.2 Internal pressure	5
4.3 Strength	5
4.4 Leak resistance	5
4.5 Resistance to water cycling	5
4.6 Function.....	5
4.7 Resistance against corrosion.....	5
4.8 Vibration resistance.....	5
4.9 Documentation	5
4.9.1 Installation, operation, testing and maintenance documentation	5
4.9.2 Testing authority documentation	5
4.9.3 Design documentation	6
5 Test methods	6
5.1 Test conditions	6
5.2 Compliance.....	6
5.3 Internal pressure test.....	6
5.4 Strength test.....	6
5.5 Leak resistance test.....	7
5.6 Water cycling test	7
5.7 Function.....	7
5.7.1 General.....	7
5.7.2 Operation	7
5.8 Corrosion tests.....	7
5.9 Vibration resistance.....	7
6 Marking	8
Bibliography	9

European foreword

This document (prEN 17450-3:2024) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

EN 17450, *Fixed firefighting systems — Water mist systems*, consists of the following parts:

- *Part 1: Product characteristics and test methods for strainer and filter components*
- *Part 2: Product characteristics and test methods for nozzles*
- *Part 3: Product characteristics and test methods for check valves*
- *Part 4: Product characteristics and test methods for control deluge valves and actuators¹*
- *Part 5: Product characteristics and test methods for pressure switches¹*

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¹ Document planned.

1 Scope

This document specifies the requirements and describes the test methods for check valves for water mist firefighting systems.

Check valves allow the passage in the direction of flow and they prevent flow in the reverse direction.

This document is applicable to check valves installed in the pipework of water mist firefighting systems.

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 ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227)*

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*

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

3 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 check valve

component intended for installation in pipework which permits flow only in one direction

3.2 water mist installation

system installed to provide fire protection

3.3 working pressure

maximum pressure at which the component is used in the system

4 Requirements

4.1 General design

The metal parts of the check valves shall be made of corrosion resistant materials.

All materials shall be resistant to media with which they come into contact.

A manufacturer's data sheet, giving the recommended method of installation and instructions on maintenance and replacement, shall be available with each type of check valve.

Check valves shall be specified by the manufacturer.