



SLOVENSKI STANDARD
SIST EN 12259-12:2023

01-november-2023

Vgrajene naprave za gašenje - Sestavni deli sprinklerskih sistemov in sistemov s pršečo vodo – 12. del: Črpalke

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 12: Pumps

Ortsfeste Brandbekämpfungsanlagen - Bauteile für Sprinkler- und Sprühwasseranlagen - Teil 12: Sprinklerpumpen

Installations fixes de lutte contre l'incendie - Composants des systèmes d'extinction du type sprinkleur et à pulvérisation d'eau - Partie 12 : Pompes

Ta slovenski standard je istoveten z: EN 12259-12:2023

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ICS:

13.220.10 Gašenje požara Fire-fighting

SIST EN 12259-12:2023 **en,fr,de**

EUROPEAN STANDARD

EN 12259-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2023

ICS 13.220.20

English Version

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 12: Pumps

Installations fixes de lutte contre l'incendie -
Composants des systèmes d'extinction du type
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Ortsfeste Brandbekämpfungsanlagen - Bauteile für
Sprinkler- und Sprühwasseranlagen - Teil 12:
Sprinklerpumpen

This European Standard was approved by CEN on 23 July 2023.

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

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European foreword

This document (EN 12259-12:2023) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by March 2024, and conflicting national standards shall be withdrawn at the latest by March 2024.

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.

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EN 12259-12:2023 (E)**1 Scope**

This document specifies requirements for single stage and multi-stage centrifugal pumps with mechanical seal or soft packing for use in automatic sprinkler systems and is for use with EN 12845 and EN 17451¹.

This document is applicable for the following pumps, independent of installed orientation (vertical, horizontal or sloped according to the manufacturer indications):

- end suction pumps (close coupled or long coupled) of the back pull-out type pump;
- axial horizontal split case pumps;
- ring section pumps including multistage single or multi outlet;
- single or multistage inline pumps (pump with inlet and outlet in line);
- submersible motor borehole pumps.

This document is also applicable to vertical turbine pumps.

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 809, *Pumps and pump units for liquids — Common safety requirements*

EN 12162:2001+A1:2009, *Liquid pumps - Safety requirements - Procedure for hydrostatic testing*

EN 12845, *Fixed firefighting systems — Automatic sprinkler systems — Design, installation and maintenance*

EN ISO 9906:2012, *Rotodynamic pumps - Hydraulic performance acceptance tests - Grades 1, 2 and 3 (ISO 9906:2012)*

EN ISO 17769-1, *Liquid pumps and installation - General terms, definitions, quantities, letter symbols and units - Part 1: Liquid pumps (ISO 17769-1)*

ISO 3069:2000, *End-suction centrifugal pumps — Dimensions of cavities for mechanical seals and for soft packing*

3 Terms, definitions, symbols and abbreviated terms**3.1 Terms and definitions**

For the purposes of this document, the terms and definitions given in EN 12845, EN ISO 17769-1 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/>

¹ Under preparation. Stage at the time of publication: prEN 17451.