ICS 13.220.20 SLOVENSKÁ TECHNICKÁ NORMA August 2023

STN	**Stabilné hasiace zariadenia Systémy na vodnú hmlu Časť 11: Protokol o skúške systémov s otvorenými dýzami pre káblové tunely**	**STN EN 14972-11 92 0440**

Fixed firefighting systems - Water mist systems - Part 11: Test protocol for cable tunnels for open nozzle systems

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/23

Obsahuje: EN 14972-11:2023

137162

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14972-11

May 2023

ICS 13.220.20

English Version

Fixed firefighting systems - Water mist systems - Part 11: Test protocol for cable tunnels for open nozzle systems

Installations fixes de lutte contre l'incendie - Systèmes à brouillard d'eau - Partie 11 : Protocole d'essai des systèmes à buses ouvertes pour galeries de câbles

Ortsfeste Brandbekämpfungsanlagen - Wassernebelsysteme - Teil 11: Prüfprotokoll für Kabeltunnel für offene Düsensysteme

This European Standard was approved by CEN on 17 April 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN 14972-11:2023 E

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European foreword

This document (EN 14972-11:2023) 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of an identical text or by endorsement, at the latest by November 2023, and conflicting national standards shall be withdrawn at the latest by November 2023.

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.

The EN 14972 series, published under the general title *Fixed firefighting systems — Water mist systems*, consists of the following parts. This list includes standards that are in preparation, and other standards can be added. For the current status of published standards, refer to www.cencenelec.eu.

— *Part 1: Design, installation, inspection and maintenance*;

— *Part 2: Test protocol for shopping areas for automatic nozzle systems*;

— *Part 3: Test protocol for office, school classrooms and hotel for automatic nozzle systems*;

— *Part 4: Test protocol for non-storage occupancies for automatic nozzle systems*;

— *Part 5: Test protocol for car garages for automatic nozzle systems*;

— *Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems*;

— *Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems*;

— *Part 8: Test protocol for machinery in enclosures exceeding 260 m^3 for open nozzle systems*;

— *Part 9: Test protocol for machinery in enclosures not exceeding 260 m^3 for open nozzle systems*;

— *Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems*;

— *Part 11: Test protocol for cable tunnels for open nozzle systems*;

— *Part 12: Test protocol for commercial deep fat cooking fryers for open nozzle systems*;

— *Part 13: Test protocol for wet benches and other similar processing equipment for open nozzle systems*;

— *Part 14: Test protocol for combustion turbines in enclosures exceeding 260 m^3 for open nozzle systems*;

— *Part 15: Test protocol for combustion turbines in enclosures not exceeding 260 m^3 for open nozzle systems*;

— *Part 16: Test protocol for industrial oil cookers for open nozzle systems*;

— *Part 17: Test protocol for residential occupancies for automatic nozzle systems*.

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.

1 Scope

This document specifies fire testing requirements for water mist systems used for fire protection of cable tunnels. The test protocol covers deluge water mist systems with open nozzles which are either activated with an automatic release system, e.g. fire detection system, or manually released.

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 13501-1:2018, *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

EN 14972-1:2020, *Fixed firefighting systems - Water mist systems – Part 1: Design, installation, inspection and maintenance*