

**PAIKSED TULEKUSTUTUSSÜSTEEMID. SPRINKLER-  
JA VEEPIHUSTUSSÜSTEEMIDE KOMPONENDID.  
OSA 3: KUIVALARMKLAPID**

**Fixed firefighting systems - Components for  
sprinkler and water spray systems -  
Part 3: Dry alarm valve assemblies**

**EESTI STANDARDI EESSÕNA****NATIONAL FOREWORD**

<p>See Eesti standard EVS-EN 12259-3:2000 +A2:2006 sisaldab Euroopa standardi EN 12259-3:2000 ja selle muudatuste A1:2001 ja A2:2005 ingliskeelset teksti.</p>	<p>This Estonian standard EVS-EN 12259-3:2000+A2:2006 consists of the English text of the European standard EN 12259-3:2000 and its amendments A1:2001 and A2:2005.</p>
<p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p>	<p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.</p>
<p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.06.1999, muudatused A1 ja A2 vastavalt 21.03.2001 ja 23.11.2005.</p>	<p>Date of Availability of the European standard is 23.06.1999, for amendment A1 21.03.2001 and A2 23.11.2005.</p>
<p>Standard on kättesaadav Eesti Standardikeskusest.</p>	<p>The standard is available from the Estonian Centre for Standardisation.</p>

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 13.220.20

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ICS 13.220.20; 13.320

English version

## Fixed firefighting systems - Components for sprinkler and water spray systems - Part 3: Dry alarm valve assemblies

Systèmes fixes de lutte contre l'incendie - Composants des systèmes sprinkleurs et à pulvérisation d'eau - Partie 3: Postes d'alarme sous air

Ortsfeste Löschanlagen - Bauteile für Sprinkler- und Sprühwasseranlagen - Teil 3: Trockenalarmventile und Zubehör

This European Standard was approved by CEN on 17 December 1999.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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## Contents

	Page
Foreword	3
1 Scope	5
2 Normative references	5
3 Definitions	6
4 Dry alarm valve assembly construction and performance	9
5 Quick opening device construction and performance	16
6 Marking	20
7 Instructions for installation and operation	22
8 Conditions for testing	22
Annex A (normative) Fire exposure test for body and cover	23
Annex B (normative) Strength test for body and cover	27
Annex C (normative) Flow tests for dry alarm valves	28
Annex D (normative) Sealing assembly tests	31
Annex E (normative) Performance tests	35
Annex F (normative) Resistance to ageing test for non-metallic components (excluding gaskets and seals)	40
Annex G (normative) Leakage resistance test	42
Annex H (normative) Test for sealing assembly elements resistance to adhesion	43
Annex I (normative) Endurance test	44
Annex J (normative) Installation pressure leak resistance test	45
Annex K (normative) Strength and leak resistance test	46
Annex L (informative) Typical testing schedule and example of test specimen numbers for dry alarm valve	47

## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 191, "Fixed fire fighting 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 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

It forms one Part of EN 12259, covering components for automatic sprinkler systems, and is included in a series of European Standards planned to cover:

- a) automatic sprinkler systems (EN 12845 & 12259<sup>1)</sup>);
- b) gas systems (EN 12094 & EN ISO 14520.);
- c) powder systems (EN 12416<sup>1)</sup>);
- d) explosion protection systems (EN 26 184);
- e) foam systems (EN 13565<sup>1)</sup>);
- f) hydrant and hose reel systems (EN 671);
- g) smoke and heat control systems (EN 12101<sup>1)</sup>);
- h) water spray systems (EN .....<sup>1)</sup>).

EN 12259 has the general title Fixed fire fighting systems - Components for sprinkler and water spray systems and will consist of the following Parts:

Part 1 : Sprinklers

Part 2 : Wet alarm valve assemblies

Part 3 : Dry alarm valve assemblies

Part 4 : Water motor alarms

Part 5 : Water flow detectors

Part 6 : Pipe couplings

Part 7 : Pipe hangers

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<sup>1)</sup> In preparation.

Part 8 : Pressure switches

Part 9 : Deluge alarm valve assemblies

Part 10 : Multiple controls

Part 11 : Medium and high velocity water sprayers

Part 12 : Pump sets

Annexes A, B, C, D, E, F, G, H, I, J and K give test methods and are normative.

Annex L gives an example of a test schedule suitable for type approval of conventional designs, and is informative.

This standard is to be entrusted for use to qualified and experienced organisations which have a capability to design and manufacture to recognised international standards.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This Part of EN 12259 specifies requirements for construction and performance of dry alarm valve assemblies, accelerators and exhausters used in automatic sprinkler systems conforming to annexes A and B of prEN 12845 Automatic sprinkler systems: Design and Installation.

Auxiliary components and attachments to dry alarm valve assemblies, accelerators and exhausters are not covered by this standard.

## 2 Normative references

This European standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 7-1	Pipe threads where pressure-tight joints are made on the threads Part 1 : Dimensions, tolerances and designation
ISO 65	Carbon steel tubes suitable for screwing in accordance with ISO 7-1.
ISO 228-1	Pipe threads where pressure-tight joints are not made on the threads Part 1 : Designation, dimensions and tolerances.
ISO 868	Plastics and ebonite - Determination of indentation hardness by means of a dorometer (shore hardness).
ISO 898-1	Mechanical properties of fasteners Part 1 : Bolts, screws and studs.
ISO 898-2	Mechanical properties of fasteners Part 2 : Nuts with specified proof load values.
prEN 12845	Automatic sprinkler systems: Design and Installation.