



SLOVENSKI STANDARD
SIST EN 12259-3:2001/A1:2001
01-oktober-2001

J[fUŸbYbUdfUj Y'nU[UýYbŸ! 'GYghUj b]XY]gdf]b_`Yfg_l `g]ghŸa cj `]b'g]ghŸa cj `g
dfýY c`j cXc`!' "XY.`Gi \]UŸfa b]j Ybh`]

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

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

Systemes fixes de lutte contre l'incendie - Composants des systemes sprinkleurs et a
pulvérisation d'eau - Partie 3: Postes d'alarme sous air

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Ta slovenski standard je istoveten z: EN 12259-3:2000/A1:2001

ICS:

13.220.10	Gašenje požara	Fire-fighting
13.320	Alarmni in opozorilni sistemi	Alarm and warning systems

SIST EN 12259-3:2001/A1:2001 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12259-3:2000/A1

March 2001

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 amendment A1 modifies the European Standard EN 12259-3:2000; it was approved by CEN on 20 January 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This amendment 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 Management Centre has the same status as the official versions.

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

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1 x Dry alarm valve assembly.
of each size

B Strength test (body)
4 x nominal pressure, 5 min

E3 Operational characteristics (dry alarm valve)
1,4 bar, 2 bar to nominal pressure 1,4 bar, 5 m/s

D1 Springs and diaphragms test
5000 cycles, 6 per minute

D2 Quick release test
1,3 m³ air below, 6,9 bar, 50 mm release

D3 Anti-reseating test
1,3 m³ air-water, 7 bar to 12 bar. reverse flow

E1 Resistance to body and deformation
2 x nominal pressure. 5 min

E3 2 bar

E2 Resistance of sealing assembly to leakage and deformation 2259-3:2001/A1:2001
all valves 2 x nominal pressure. 2 x recommended air 2h
with latch : inlet vented 2 x recommended air, 5 min
without latch : inlet vented 2 x nominal pressure, 5 min

E3 2 bar

E4 Operational characteristic (quick opening)
1,4 bar. 3 bar to nominal pressure air release
see figure D.1

E5 Equilibrium time (quick opening device)
3,5 bar air pressure. 2 bar in 2 min

C3 Hydraulic friction loss test

C1 Switch point of automatic drain
increasing: 1,4 bar. 0,13 l/s. 0,63 l/s.s
decreasing: <1,4 bar

G Leakage pressure test
air trip point - 0,7 bar water nominal pressure
2 h leakage <3 ml/h

J Endurance test
30 min flow see table C.1

1 x Dry alarm valve assembly.
only size with highest stress
(one sample)

H Resistance to adhesion
3,5 bar outlet pressure. 90 days
87 ° C, 21 ° C, 0,35 bar release

1 x Quick opening device

K Installation pressure
leak resistance test air 7 bar. 1 min

L Strength and leak
resistance test
downstream 2 ° nominal pressure. 5 min

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