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**Utrustning för elektrostatisk sprutmålning —  
Handhållen utrustning för sprutmålning med  
icke brännbart material**

*Specification for electrostatic hand-held spraying equipment  
for non-flammable material for painting and finishing*

Denna svenska standard innehåller den engelskspråkiga versionen av nedan angiven Europastandard, utarbetad inom CENELEC.

**EN 50 059, February, 1990**

**Specification for electrostatic hand-held spraying equipment for  
non-flammable material for painting and finishing**

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UDK 667.661.23-83:621.319.7:620.1:614.83

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EUROPEAN STANDARD

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Decriptors: Electrical apparatus, non-flammable spraying material, hand-held electrostatic spraying equipment, constructional requirement

ENGLISH VERSION

**SPECIFICATION FOR ELECTROSTATIC HAND-HELD SPRAYING  
EQUIPMENT FOR NON-FLAMMABLE MATERIAL FOR PAINTING AND  
FINISHING**

Spécifications pour les  
équipements manuels de  
projection électrostatique  
de produits ininflammables  
pour peinture et finition

Bestimmungen für  
elektrostatische  
Handsprüheinrichtungen für  
nichtbrennbare Sprühstoffe  
für Beschichtungen

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This European Standard was approved by CENELEC on 1986-12-09.  
CENELEC 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 list and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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IEC Publications referred to in European Standard EN 50 059:

IEC 664 (1980) and 664A (1981) Insulation co-ordination within low-voltage systems including clearances and creepage distances for equipment.

European Standards referred to in European Standard EN 50 059:

EN 50 014 (1977)  
(1st edition) Electrical apparatus for potentially explosive atmospheres - General requirements [including amendment 1 (July 1979), amendment 2 (June 1982), amendment 3 (December 1982), amendment 4 (December 1982) and amendment 5 (February 1986)].

EN 50 019 (1977)  
(1st edition) Electrical apparatus for potentially explosive atmospheres - Increased safety "e" [including amendment 1 (July 1979), amendment 2 (September 1983) and amendment 3 (December 1985)].

EN 50 020 (1977)  
(1st edition) Electrical apparatus for potentially explosive atmospheres - Intrinsic safety "i" [including amendment 1 (July 1979) and amendment 2 (December 1985)].

EN 50 050 (1986)  
(1st edition) Electrical apparatus for potentially explosive atmospheres - Electrostatic hand-held spraying equipment.

CENELEC Harmonization document referred to in European Standard EN 50 059:

HD 365 S3 Classification of degrees of protection provided by enclosures [IEC 529 (1976) and amendments 1 and 2].

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## 1 Scope

This European Standard specifies the constructional and test requirements for hand-held and hand-operated electrostatic spray guns and associated apparatus used to spray painting and finishing materials which are not flammable, with respect to the protection against high voltage electric shock.

**NOTE:** The requirements for electrostatic hand-held spray guns and associated apparatus which are only to be used for flammable spraying materials are covered in European Standard EN 50 050.

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