

Automatic electrostatic spraying installations for flammable liquid spraying material

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British Standard

ICS 87.100

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee GEL/31, Electrical apparatus for explosive atmospheres, to Subcommittee GEL/31/18, Electrostatic spray guns, upon which the following bodies were represented:

- Association of British Mining Equipment Companies
- British Cable Makers Confederation
- British Gas Plc
- Confederation of United Kingdom Coal Producers
- Council for Electrical Equipment for Flammable Atmospheres (BEAMA)
- Department of Trade and Industry (Standards Policy Unit)
- ERA Technology Ltd.
- Electric Trace Heating Industrial Council (ETHIC)
- Electrical Contractors Association
- Electroheat Manufacturers' Association of BEAMA (EMAB)
- Energy Industries Council
- Engineering Equipment and Materials Users Association
- GAMBICA BEAMA Ltd.
- Gland Manufacturers Technical Committee
- Health and Safety Executive
- Institute of Petroleum
- Lighting Industry Federation Ltd.
- Loss Prevention Council
- Marine Safety Agency
- Ministry of Defence
- National Inspection Council for Electrical Installation Contracting
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Sira Limited
- United Kingdom Offshore Operators Association

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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 501763	3
List of references	Inside back cover

National foreword

This British Standard has been prepared by Subcommittee GEL/31/18, and is the English language version of EN 50176:1996 *Automatic electrostatic spraying installations for flammable liquid spraying material*, published by the European Committee for Electrotechnical Standardization (CENELEC).

Cross-references

Publication referred to	Corresponding British Standard
EN 344:1992	BS EN 344:1993 <i>Requirements and test methods for safety, protective and occupational footwear for professional use</i>
EN 50014:1992	BS EN 50014:1992 <i>Electrical apparatus for potentially explosive atmospheres. General requirements</i> BS 6742 <i>Electrostatic painting and finishing equipment using flammable materials</i>
EN 50050:1986	Part 1:1987 <i>Specification for hand-held spray guns and associated apparatus</i>
EN 50053-1:1987	Part 2:1987 <i>Specification for selection, installation and use of hand-held paint spray guns (energy limit of 0,24 mJ) and associated apparatus</i>
EN 50053-2:1989	Part 3:1990 <i>Specification for selection, installation and use of hand-held powder spray guns (energy limit of 5 mJ) and associated apparatus</i>
EN 50053-3:1989	Part 4:1990 <i>Specification for selection, installation and use of hand-held flock spray guns (energy limit of 0,24 or 0,5 mJ) and their associated apparatus</i>
EN 60529:1991	BS EN 60529:1992 <i>Specification for degrees of protection provided by enclosures (IP code)</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Electric equipment, projection, flammable liquid, spray gun, explosive atmosphere, definition, specification, installation, electrical characteristic, high-voltage test, safety, explosion proofing, electrostatic protection, maintenance, marking

English version

Automatic electrostatic spraying installations for flammable liquid spraying material

Installations automatiques de projection
électrostatique de produit à projeter
liquide inflammable

Ortsfeste elektrostatische Sprühanlagen
für brennbare flüssige
Beschichtungsstoffe

This European Standard was approved by CENELEC on 1996-10-01. 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 lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

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Foreword

This European Standard was prepared by SC 31-8, Electrostatic painting and finishing equipment, of Technical Committee CENELEC TC 31, Electrical apparatus for explosive atmospheres. It was revised, taking into account the comments received during the Unique Acceptance Procedure launched in December 1993 and was submitted to a second vote (3MV). The text of this draft was approved by CENELEC as EN 50176 on 1996-10-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard (dop) 1997-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-06-01

Contents

	Page
Foreword	2
Introduction	3
1 Scope	3
2 Normative references	3
3 Definitions	4
4 General requirements	5
5 Installation requirements	5
6 High voltage tests	8
7 Cleaning and maintenance of spraying installations	8
8 Marking	8
9 Instruction manual	9
Table 1 — Minimum clearances in air	7