



BSI Standards Publication

Thermal spraying – Safety requirements for thermal spraying equipment

Part 2: Gas control units

National foreword

This British Standard is the UK implementation of EN 15339-2:2021. It supersedes BS EN 15339-2:2007, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/40, Thermal spraying and thermally sprayed coatings.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Thermal spraying - Safety requirements for thermal spraying equipment - Part 2: Gas control units

Projection thermique - Exigences de sécurité relatives au matériel de projection thermique - Partie 2 : Unités de régulation de l'alimentation en gaz

Thermisches Spritzen - Sicherheitsanforderungen für Einrichtungen für das thermische Spritzen - Teil 2: Gaskontrolleinheiten

This European Standard was approved by CEN on 7 June 2021.

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European foreword

This document (EN 15339-2:2021) has been prepared by Technical Committee CEN/TC 240 “Thermal spraying and thermally sprayed coatings”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2022, and conflicting national standards shall be withdrawn at the latest by January 2022.

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.

This document supersedes EN 15339-2:2007.

The main changes compared to the previous edition EN 15339-2:2007 are as follows:

- a) the document was editorially reviewed;
- b) the Normative references and the Bibliography have been updated;
- c) in Annex A, A.5 regarding oxygen-carrying components in gas control units was added.

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.

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1 Scope

This document specifies safety requirements of machines and equipment for thermal spraying, in this case of gas control units. This document is intended to be used in conjunction with Part 1, which deals with general aspects when designing, manufacturing, and/or putting in service of machines or equipment.

Generally the requirements of EU Directive 2014/34/EU are valid for the use of this document.

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 ISO 3821, *Gas welding equipment - Rubber hoses for welding, cutting and allied processes (ISO 3821)*

EN 560, *Gas welding equipment - Hose connections for equipment for welding, cutting and allied processes*

EN 561, *Gas welding equipment - Quick-action coupling with shut-off valves for welding, cutting and allied processes*

EN ISO 5175-1, *Gas welding equipment - Safety devices - Part 1: Devices incorporating a flame (flashback) arrestor (ISO 5175-1)*

EN ISO 5175-2, *Gas welding equipment - Safety devices - Part 2: Devices not incorporating a flame (flashback) arrestor (ISO 5175-2)*

EN ISO 4413, *Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413)*

EN 13611, *Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - General requirements*

EN 15069, *Safety gas connection valves for metal hose assemblies used for the connection of domestic appliances using gaseous fuel*

EN 60079-0, *Explosive atmospheres - Part 0: Equipment - General requirements (IEC 60079-0)*

EN 60079-1, *Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" (IEC 60079-1)*

EN 60079-2, *Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (IEC 60079-2)*

EN 60079-10-1, *Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres (IEC 60079-10-1)*

EN 60204-1, *Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1)*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

EN 61310-1, *Safety of machinery - Indication, marking and actuation - Part 1: Requirements for visual, acoustic and tactile signals (IEC 61310-1)*