



BSI Standards Publication

**Installation and maintenance of
gas-fired catering appliances for use
in all types of catering establishments
(2nd and 3rd family gases) —
Specification**

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Summary of pages

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 March 2020. It was prepared by Technical Committee GSE/30, *Gas Installations (1st, 2nd, 3rd family gases)*. A list of organizations represented by this committee can be obtained on request to its secretary.

Supersession

This British Standard supersedes BS 6173:2009, which is withdrawn.

Information about this document

This is a full revision of the standard to reflect changes in installation practice and legislation.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Presentational conventions

The provisions of this standard are presented in normal (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause 7.1, which states, “Requirements should be expressed using wording such as: ‘When tested as described in Annex A, the product shall ...’”. This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

In particular, attention is drawn to the following:

- The Gas Safety (Installation and Use) Regulations 1998, as amended [1]
- The Gas Safety (Installation and Use) Regulations 1994, as amended and applied by the ISLE OF MAN Gas Safety (Application) Order 1996 [2]
- The Gas Safety (Installation and Use) (Northern Ireland) Regulations 2004 [3]
- The Health and Safety (Gas) (Guernsey) Ordinance 2006 [4]
- The Building Regulations 2010, as amended [5]

- The Building (Scotland) Regulations 2004 [6]
- The Building Regulations (Northern Ireland) 2012 [7]
- The Electricity at Work Regulations 1989 [8]
- *Memorandum of guidance on the Electricity at Work Regulations 1989* [9]
- The Provision and Use of Work Equipment Regulations 1998 [10]
- The Gas Appliances (Safety) Regulations 1995 [11]
- The Water Supply (Water Fittings) Regulations 1999, as amended [12]
- The Health and Safety at Work etc. Act 1974 [13]
- The Regulatory Reform (Fire Safety) Order 2005 [14]
- The Food Safety (General Food Hygiene) Regulations 1995, as amended [15]
- The Gas Cooking Appliances (Safety) Regulations 1989 [16]
- The Dangerous Substances and Explosive Atmospheres Regulations 2002 [17]

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1 Scope

This British Standard specifies requirements for the installation, servicing and maintenance of new and previously-used gas-fired catering appliances used in catering establishments, burning 2nd or 3rd family gases.

This British Standard covers appliances, such as cookers, fish and chip frying ranges, fryers, ovens, café boilers and urns, bain-marie units, tandoori ovens, kebab grills and barbecues.

This British Standard also applies to the installation of typical domestic cookers or leisure appliances such as barbecues when installed in commercial catering sites or establishments.

It is not applicable to LPG catering installations where appliances are sited temporarily in the open air, marquees or tents, or to LPG installations in mobile catering vehicles (see UKLPG CoP 24, Part 3 [N1]).

NOTE 1 This British Standard is not intended to apply to primarily domestic premises, e.g. those supplying a small number of clients on a bed and breakfast basis.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions 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.

Standards publications

BS 669-2, *Flexible hoses, end fittings and sockets for gas burning appliances — Part 2: Specification for corrugated metallic flexible hoses, covers, end fittings and sockets for catering appliances burning 1st, 2nd and 3rd family gases*

BS 1179-6, *Glossary of terms used in the gas industry — Part 6: Combustion and utilization including installation at consumers' premises*

BS 4800:2011, *Schedule of paint colours for building purposes*

BS 5546, *Specification for installation and maintenance of gas-fired water-heating appliances of rated input not exceeding 70 kW*

BS 6230, *Specification for installation and maintenance of gas-fired forced convection air heaters for commercial and industrial space heating (2nd and 3rd family gases)*

BS 6891, *Specification for the installation and maintenance of lower pressure gas installation pipework of up to 25 mm (R11/4) on premises*

BS 6920-1, *Suitability of non-metallic materials and products for use in contact with water intended for human consumption with regard to their effect on the quality of the water — Part 1: Specification*

BS 7671, *Requirements for electrical installation — IEE Wiring Regulations*

BS 8558, *Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings and their curtilages — Complementary guidance to BS EN 806*

BS EN 161, *Automatic shut-off valves for gas burners and gas appliances*

BS EN 12056-2, *Gravity drainage systems inside buildings — Part 2: Sanitary pipework, layout and calculation*