

BS 6172:2010+A1:2017



BSI Standards Publication

**Specification for installation, servicing
and maintenance of domestic gas
cooking appliances (2nd and 3rd
family gases)**

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Contents

	Page
Foreword	ii
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Competence	3
<i>Table 1 Approval bodies and statutory regulations by country/territory</i>	4
<i>Table 2 Competence requirements by country/territory</i>	4
5 Design and planning	4
6 Selection of cooking appliances	5
7 Location of cooking appliances	6
8 Siting and clearance requirements for cooking appliances	7
<i>Figure 1 — Minimum clearance zones for gas cooking appliances</i>	8
<i>Figure 1 — Minimum clearance zones for gas cooking appliances (continued)</i>	9
9 Ventilation	10
10 Flueing	10
11 Gas connections	11
<i>Figure 2A — Typical flexible connector</i>	12
<i>Figure 2B — Guidance on installation of flexible connectors</i>	13
12 Stability devices	14
<i>Figure 3A — Typical methods of provision of cooker stability</i>	15
<i>Figure 3B — Typical methods of provision of cooker stability</i>	15
13 Electrical supplies and wiring	16
14 Commissioning	16
15 Advice to be given to the user	17
Bibliography	19

Summary of pages

This document comprises a front cover, and inside front cover, pages i to iv, pages 1 to 21, an inside back cover and a back cover.

Foreword

Publishing information

This British Standard is published by BSI and came into effect on 30 November 2010. It was prepared by Panel GSE/30/-/10, *Domestic cooking appliances*, under the authority of Technical Committee GSE/30, *Gas Installations (1st, 2nd and 3rd family gases)*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

BS 6172:2010+A1:2017 supersedes BS 6172:2010, which is withdrawn.

Information about this document

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

This standard allows manufacturers' instructions to specify a method of installation, commissioning, servicing or maintenance that differs in points of detail from this standard. This reference to manufacturers' instructions is allowed only where it will result in at least an equivalent level of safety. It is important that the manufacturer's instructions are followed. This standard is applicable where manufacturers' instructions do not give specific advice.

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** and **A1**.

Presentational conventions

The provisions of this standard are presented in roman (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.

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 statutory regulations.

The Gas Safety (Installation and Use) Regulations 1998 [\[1\]](#)

The Gas Safety (Installation and Use) Regulations (Northern Ireland) 2004 [\[2\]](#)

The Health and Safety (Gas) (Guernsey) Ordinance 2006 [\[3\]](#) The Gas Appliance (Safety) Regulations 1995 [\[4\]](#)

The Gas Cooking Appliances (Safety) Regulations 1989 [\[5\]](#)

The Building Regulations 2000 (for England and Wales), as amended [\[6\]](#)

The Building Standards (Scotland) Regulations 2004, as amended [\[7\]](#)

The Building (Amendment) Regulations (Northern Ireland) 2006 [\[8\]](#)

The Gas Safety (Installation and Use) Regulations 1994, as amended and applied by the Isle of Man Gas Safety (Application) Order 1996 [\[9\]](#)

The Asbestos (Prohibitions) Regulations 1992 [[10](#)]

The Asbestos (Prohibitions) (Amendment) Regulations 1999 [[11](#)]

The Asbestos (Prohibitions) (Amendment) Regulations 2003 [[12](#)]

1 Scope

This British Standard specifies requirements for the installation (see Note 1), servicing and maintenance of new, previously used and second hand domestic gas-fired cooking appliances in domestic, commercial and industrial premises (see Note 2, Note 3 and Note 4), including educational establishments.

It is applicable to gas cooking appliances conforming to BS EN 30-1-1, BS EN 30-1-2, BS EN 30-1-3 and BS EN 30-2-2, or to BS 5386-3 or BS 5386-4, burning 2nd and 3rd family gases.

It is not applicable to cookers with integral boilers used to provide central heating, which are covered in BS 6798.

It is recognized that this standard might be referred to for the installation of gas cooking appliances conforming to standards other than BS EN 30-1-1, BS EN 30-1-2, BS EN 30-1-3 and BS EN 30-2-2, or BS 5386-3 or BS 5386-4. However, other criteria might also apply, such as surface temperatures, temperature rise of surroundings, appliance stability, etc., and these have to be taken into account in the method of installation.

NOTE 1 For the purposes of this standard, installation includes design, inspection and commissioning. It is recognized that each of these tasks can at times be performed by the same persons.

NOTE 2 As well as normally constructed dwellings, domestic premises include any permanently sited leisure accommodation vehicles, residential park homes and permanently moored boats. Particular and additional requirements exist for the supply of gas to these categories of premises and can be found in IGEM/G/6 [13]. Neither this standard nor IGEM/G/6 [13] applies to gas installations in towed or motorized caravans.

NOTE 3 Where domestic cooking appliances are installed in commercial or industrial premises in conjunction with catering appliances, reference should be made to BS 6173, particularly with regard to ventilation and extraction.

NOTE 4 For commercial premises that are primarily domestic premises, e.g. a small bed and breakfast premises, the general rules of BS 6173 do not apply except with respect to hygiene and general safety.

2 Normative references

The following referenced documents are indispensable for the application 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.

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

BS 5440-1, *Flueing and ventilation for gas appliances of rated input not exceeding 70 kW net (1st, 2nd and 3rd family gases) — Part 1: Specification for installation of gas appliances to chimneys and maintenance of chimneys*

BS 5440-2:2009, *Flueing and ventilation for gas appliances of rated input not exceeding 70 kW net (1st, 2nd and 3rd family gases) — Part 2: Specification for the installation and maintenance of ventilation provision for gas appliances*

BS 5482-1, *Code of practice for domestic butane- and propane-gas-burning installations — Part 1: Installations at permanent dwellings, residential park homes and commercial premises, with installation pipework sizes not exceeding DN 25 for steel and DN 28 for corrugated stainless steel or copper*

BS 6891, *Installation of low pressure gas pipework of up to 35 mm (R1¼) in domestic premises (2nd family gas) — Specification*