

Specification for

Installation of domestic direct gas-fired tumble dryers of up to 3 kW heat input (2nd and 3rd family gases)

UDC 648.336.6-62:696.2

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Gas Standards Policy Committee (GSE/-) to Technical Committee GSE/30, upon which the following bodies were represented:

- British Flue and Chimney Manufacturers' Association
- British Gas plc
- Consumer Policy Committee of BSI
- Council for Registered Gas Installers
- Department of the Environment (Construction Directorate)
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Health and Safety Executive
- Institute of Domestic Heating and Environmental Engineers
- Institution of Gas Engineers
- LP Gas Association
- Society of British Gas Industries
- Trades Union Congress

The following body was also represented in the drafting of the standard, through subcommittees and panels:

- Kitchen Specialists' Association

This British Standard, having been prepared under the direction of the Gas Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 March 1993

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The following BSI references relate to the work on this standard:
Committee reference GSE/30
Draft for comment 92/72908 DC

ISBN 0 580 21562 8

Amendments issued since publication

Amd. No.	Date	Comments

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Foreword

This British Standard has been prepared under the direction of the Gas Standards Policy Committee to cover the need for a standard specifying the installation requirements for flueless direct gas-fired tumble dryers in domestic premises.

Whilst this standard specifies installations in domestic premises, it is recognized that it may also be referred to for similar installations in commercial and industrial premises. In such cases, it has to be borne in mind that additional legislation could be applicable and advice should be sought from the manufacturer's instructions. In particular, attention is drawn to the hazards that exist in certain locations, e.g. such as in hairdressing salons where the atmosphere or drying load can contain flammable vapours.

NOTE In the preparation of this standard the opportunity has been taken to present it in the format of a practice specification as defined in PD 6501-1. This format allows the requirements of the specification to be supported by recommendations. To comply with this specification the user has to comply with all its requirements. He may depart from recommendations but this would be on his own responsibility and he would be expected to have good reasons for doing so.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with this British Standard does not of itself confer immunity from legal obligations. In particular, attention is drawn to the following.

- a) Statutory Instrument 1358:1984. The Gas Safety (Installation and Use) Regulations 1984 [1].
- b) Statutory Instrument 824:1990. The Gas Safety (Installation and Use) (Amendment) Regulations 1990 [2].
- c) Statutory Instrument 2768:1991. The Building Regulations 1991 [3].
- d) Statutory Instrument 2179:1990. The Building Standards (Scotland) Regulations 1990 [4].

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, 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.

Section 1. General

1 Scope

This British Standard specifies requirements for the installation of direct gas-fired tumble dryers of up to 3 kW heat input burning 2nd and 3rd family gases for use in permanent domestic dwellings. It applies to flueless appliances, including those designs of appliances where a venting hose can be connected to the appliance outlet to enable combustion products and moisture to be exhausted outside of the room or internal space in which the appliance is installed.

Whilst this standard is intended to cover appliances conforming to BS 5258-17:1992, it is recognized that it may be referred to for the installation of other appliances for use in permanent domestic dwellings including those appliances bearing the European “CE” mark of conformity. Such appliances may or may not conform to BS 5258-17:1992. Where compliance with BS 5258-17:1992 is not claimed, it has to be borne in mind that other criteria could apply, such as surface temperatures, appliance stability, ventilation, etc., and these will need to be taken into account in the method of installation.

NOTE 1 Requirements for 3rd family gas installations in caravans and non-permanent dwellings and in boats, yachts and other vessels, are given in BS 5482-2 and BS 5482-3.

NOTE 2 Attention is drawn to the foreword concerning appliances installed in commercial and industrial premises.

2 References

2.1 Normative references

This British Standard incorporates, by reference, provisions from specific editions of other publications. These normative references are cited at the appropriate points in the text and the publications are listed on the inside back cover. Subsequent amendments to, or revisions of, any of these publications apply to this British Standard only when incorporated in it by updating or revision.

2.2 Informative references

This British Standard refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this British Standard, the definitions given in BS 1179:1967 and BS 1179-6:1980 apply together with the following.

3.1

appliance flexible connector

a pipe with appropriate connector ends, designed to have a considerable degree of flexibility to facilitate the connection of an appliance to an installation pipe and allow the appliance to be moved a short distance without the need for disconnection

3.2

direct gas-fired tumble dryer

an appliance in which textile material is dried by tumbling in a rotating drum through which heated air and products of combustion are forced or induced by mechanical means

3.3

exhaust venting

the process of removing moist air, including products of combustion, from an appliance to a room or internal space or directly to outside air

3.4

ventilation (air supply)

the process of supplying fresh air to, and removing vitiated air from, a room or internal space

4 Selection of appliances

The appliance selected shall conform to BS 5258-17:1992 and shall be suitable for the gas with which it is to be supplied and the intended location (see clause 5).

COMMENTARY AND RECOMMENDATIONS ON CLAUSE 4.
Consideration should be given to the following when selecting an appliance.

a) *Attention is drawn to the scope concerning other appliances for use in permanent domestic dwellings including those which carry the European “CE” mark of conformity.*

b) *The drying load capacity of the tumble dryer should be borne in mind during selection together with the intended location and method of ventilation (see clause 7) and exhaust venting (see clause 8).*

c) *Appliances covered by this standard are generally available with a range of accessories, e.g. exhaust venting hose, wall/window vent kit, stacking kit and restraining kit. Some of these items, for example, a vent hose, can be included with the appliance.*