

Specification for

Safety of domestic gas appliances —

Part 2: Cooking appliances

UDC 662.76:643.334:683.955:614.8

Co-operating organizations

The Gas Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government and scientific and industrial organizations:

- British Gas Corporation*
- Department of Energy
- Department of the Environment
- Heating and Ventilating Contractors' Association
- Institution of Gas Engineers*
- Institution of Heating and Ventilating Engineers*
- Liquefied Petroleum Gas Industry Technical Association*
- National Association of Plumbing, Heating and Mechanical Services Contractors
- Society of British Gas Industries*
- Water-tube Boilermakers' Association

The scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Boiler and Radiator Manufacturers' Association
- British Non-ferrous Metals Federation
- Chief and Assistant Chief Fire Officers' Association
- Consumer Standards Advisory Committee
- Council of Scientific Management in the Home
- Institution of Fire Engineers
- National Brassfoundry Association
- Royal Society for the Prevention of Accidents.

This British Standard, having been approved by the Gas Industry Standards Committee, was published under the authority of the Executive Board on 30 June 1975

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Foreword

BS 5258 has been prepared, under the authority of the Gas Industry Standards Committee, to meet the need for a standard specifying the safety requirements and associated methods of test for domestic gas appliances burning 1st, 2nd and 3rd family gases.

BS 1250 “*Domestic appliances burning town gas*” has specified safety and performance requirements for a range of domestic appliances burning 1st family gas while BS 2491 “*Domestic cooking appliances for use with liquefied petroleum gases*”, BS 2773 “*Domestic single-room space heating appliances for use with liquefied petroleum gases*” and BS 2883 “*Domestic instantaneous and storage water heaters for use with liquefied petroleum gases*” have similarly covered a limited range of appliances burning 3rd family gas. The increased distribution of 2nd family gas and the development of a new generation of appliances, often designed to burn more than one family of gas, have necessitated the publication of new British Standards which relate to appliances burning 1st, 2nd and 3rd family gases and in which the requirements and methods of test for the three gas families have been, where technically appropriate, harmonized. BS 5258 specifies safety requirements and associated methods of test and therefore supersedes, in part, BS 1250, BS 2491, BS 2773 and BS 2883. Other, non-safety aspects of appliances will be the subject of another British Standard now in course of preparation.

BS 5258 is being prepared in a number of Parts, each of which will apply to one particular type of appliance. In each Part, the sequence of the clauses and their subject matter are being arranged so that, as far as possible, a particular main clause number refers to the same aspect of the specification in all Parts.

Parts in course of preparation are:

- *Part 1: Central heating boilers and circulators;*
- *Part 2: Cooking appliances;*
- *Part 3: Drying cabinets;*
- *Part 4: Fanned-circulation ducted-air heaters;*
- *Part 5: Gas fires;*
- *Part 6: Refrigerators and food freezers.*

Some of the provisions of this standard are set deliberately high to make allowance for manufacturing tolerances and variations in the supply of fuel gases. Some of the tests are destructive and it follows that it is not practicable to check each appliance made against all the provisions of the standard. However, the intention of the standard is that if all its requirements are met when applied to a sample representing the average of production, this will ensure:

- that all appliances claimed to be designed to it are safe in normal use when installed and maintained in accordance with the relevant British Standard codes of practice and with the manufacturer’s instructions, and
- that such servicing as may be necessary to maintain the appliance in a safe condition can be carried out by a competent fitter without difficulty.

For this Part the relevant codes of practice are CP 334 “*Selection and installation of town gas cooking and refrigerating appliances*” — *Part 1 “Domestic cooking appliances”*, CP 338 “*Domestic propane-gas-burning installations in permanent dwellings*” and CP 339 “*Domestic butane-gas-burning installations*”.

Further, attention is drawn to the requirements of the Gas Safety Regulations, of the Building Regulations and of the Model Water Bye Laws issued by the Department of the Environment and of the Building Standards (Scotland) (Consolidation) Regulations issued by the Scottish Development Department.