

Specification for Small incinerators

UDC 615.478.742

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Co-operating organizations

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

Association of Consulting Engineers	Greater London Council
British Cast Iron Research Association	Heating and Ventilating Contractors' Association
British Coke Research Association	Institute of British Foundrymen
British Ironfounders' Association	Institute of Fuel*
British Steel Industry	Institution of Gas Engineers*
Chamber of Coal Traders	Institution of Heating and Ventilating Engineers
Chemical Industries Association	Institution of Mechanical Engineers
Coal Utilisation Council	Low Temperature Coal Distillers' Association of Great Britain Ltd
Coke Oven Managers' Association	National Coal Board
Combustion Engineering Association	Society of British Gas Industries*
Council of Ironfoundry Associations	Water-tube Bollermakers' Association
Department of the Environment*	Women's Solid Fuel Council
Department of Trade and Industry	
Domestic Solid Fuel Appliances Approval Scheme	
Electricity Council, the Central Electricity Generating Board and the Area Boards in England and Wales	

The Government department and 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:

Association of Hospital Management Committees	Institute of Hospital Engineering
Association of Nurse Administrators	King Edward's Hospital Fund for London
Association of Scientific, Technical and Managerial Staffs	Liquefied Petroleum Gas Industry Technical Association (UK)
British Gas Corporation	Regional Hospital Boards' Engineers' Association
Department of Health and Social Security	Royal College of Nursing and National Council of Nurses of the UK
Electrical Installation Equipment Manufacturers' Association	

This British Standard, having been approved by the Solid Fuel Industry Standards Committee, was published under the authority of the Executive Board on 11 October 1973

© BSI 11-1999

First published March 1959
First revision October 1973

The following BSI references relate to the work on this standard:
Committee reference SFE/30
Draft for comment 69/26908

ISBN 0 580 07584 2

Amendments issued since publication

Amd. No.	Date of issue	Comments
1630	January 1975	Indicated by a sideline in the margin

Contents

	Page
Co-operating organizations	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Rated voltage	1
4 Installation, operating and maintenance instructions	1
5 Surface temperature	1
6 Combustion chamber	2
7 Agitator	2
8 Ashpan	2
9 Charging opening	2
10 Finish	2
11 Control of heat	2
12 Maintenance	2
13 Flue connection	2
14 Additional requirements for gas appliances	2
15 Additional requirements for electrically heated appliances	3
16 Performance requirements	3
17 Safety of operation	3
18 Marking	4
Appendix A Type test for combustion performance	5
Appendix B Type testing for the combustion characteristics of gas fired appliances	5
Table 1 — Charging rate for performance test	5
Publications referred to	Inside back cover

Foreword

In response to various requests from interested parties, the Hospital Equipment Standards Advisory Committee of the BSI recommended that the existing British Standard, BS 3107:1959, should be reviewed.

In the foreword to the original standard, attention was called to the need for two distinct kinds of incinerators.

1) Small incinerators for the immediate destruction of soiled dressings, in or near medical and surgical wards, which may help to minimize the risk of cross infection.

2) Larger, centrally situated incinerators for the destruction of general waste and of dressings, and of material, for example from maternity wards and operating theatres, unsuitable for disposal in small incinerators.

This revised standard has been prepared to cover the needs of hospitals in respect of 1) above, but the scope is extended to include incinerators which would also cope with dressings from operating theatres, maternity and gynaecology wards. These incinerators, however, are not intended for the destruction of general waste and refuse, which should be collected for disposal in central incinerators, as specified in BS 3316.

This revised specification covers a range of sizes, extending from the smallest type available for dealing, for example, with individual sanitary towels up to those which can deal with a considerable volume of medical dressings.

Choice of size most suitable for a particular application is made easier by the requirement that the manufacturer shall state the capacity of the unit when used under certain specified circumstances, as indicated by tests carried out in accordance with Appendix A. For the purpose of the tests, a standard form of dressing, its water content and its wrapping, has been established, so that independent tests may be carried out at any time.

Although reference is made to materials and types of finish as a guide to durability of the equipment, the specification is directed mainly towards satisfactory installation and operation.

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 a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, 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.