

Specification for

Underfeed stokers

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 Boiler Setters, Chimney and Furnace Constructors
- Association of Consulting Engineers
- British Cast Iron Research Association
- British Coal Utilisation Research Association
- British Coke Research Association
- British Electrical and Allied Manufacturers' Association
- British Ironfounders' Association
- British Mechanical Engineering Confederation*
- British Steel Industry
- Chamber of Coal Traders
- Chemical Industries Association
- Coal Utilisation Council
- Coke Oven Managers' Association
- Combustion Engineering Association*
- Confederation of British Industry
- Council of Ironfoundry Associations
- Domestic Solid Fuel Appliances Approval Council
- Electricity Council, the Central Electricity Generating Board and Area Boards in England and Wales
- Gas Council
- Heating and Ventilating Contractors Association
- Imperial Chemical Industries Limited
- Institute of British Foundrymen
- Institute of Fuel*
- Institution of Gas Engineers
- Institution of Heating and Ventilating Engineers*
- Institution of Mechanical Engineers
- Iron and Steel Institute
- Low Temperature Coal Distillers' Association of Great Britain Ltd.
- Ministry of Housing and Local Government
- Ministry of Power
- Ministry of Public Building and Works*
- National Coal Board*
- Society of British Gas Industries
- Water-tube Boilermakers' Association
- Women's Advisory Council on Solid Fuel

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The Government department and 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:

Cast Iron Heating Boiler and Radiator Manufacturers' Association

Amendments issued since publication

Amd. No.	Date	Comments

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Foreword

This standard makes reference to the following British Standards:

BS 170, *The electrical performance of fractional horse-power electric motors and generators*.

BS 410, *Test sieves*.

BS 1016, *Methods for the analysis and testing of coal and coke*.

BS 1293 & BS 2074, *Methods for the size analysis of coal and coke*.

BS 1449, *Steel plate, sheet and strip*.

BS 2613, *The electrical performance of rotating electrical machinery*.

BS 3323, *Glossary of coal terms*.

CP 3000, *Installation and maintenance of underfeed stokers*.

This British Standard relates to underfeed stokers for all applications except metallurgical or other high temperature furnaces and supersedes BS 749:1952, the main changes being the introduction of requirements for smokeless operation and for adequate air supply, together with presentation of the dimensions and quantities in metric units.

Rating by heat output is described in Appendix A and suitable fuels are described in Appendix B.

While it is not possible to lay down definite rules, it is strongly recommended in the interests of the users that silent running should be striven for.

Reference should be made to CP 3000¹⁾, which gives general recommendations on installation and maintenance, including the application of automatic control, for which stokers of the underfeed type are particularly suitable.

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.

¹⁾ CP 3000, "Installation and maintenance of underfeed stokers".