

Specification for

# Oil-burning air heaters —

Part 2: Fixed, flued, fan-assisted heaters

# Co-operating organizations

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

- British Mechanical Engineering Confederation
- British Rubber Manufacturers' Association
- British Steel Industry
- Council of British Manufacturers of Petroleum Equipment
- Department of Trade and Industry\*
- Gas Council
- Oil Companies' Materials Association\*

The Government department and industrial organization marked with an asterisk in the above list, together with the following, were directly represented on the Committee entrusted with the preparation of this standard:

- British Oil and Gas Firing Equipment Manufacturers' Association
- Chief Fire Officers' Association
- Contractors' Plant Association
- Department of Employment and Productivity (HM Factory Inspectorate)
- Domestic Oil Burning Equipment Testing Association Limited
- Engineering Industries' Association
- Fire Offices' Committee
- Fire Protection Association
- Hevac Association
- Home Office
- Industrial Warm Air Heater Manufacturers' Association Limited
- Institute of Fuel
- Institution of Heating and Ventilating Engineers
- Liquefied Petroleum Gas industry Technical Committee
- National Federation of Building Trades Employers
- Oil Appliance Manufacturers' Association
- Society of British Gas Industries

This British Standard, having been approved by the Petroleum Equipment Industry Standards Committee, was published under the authority of the Executive Board on 30 March 1972

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First published December 1967  
First revision March 1972

The following BSI references relate to the work on this standard:  
Committee reference PEE/17  
Draft for approval 71/32967

ISBN 580 07021 2

## 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 476, *Fire tests on building materials and structures.*

BS 487, *Fusion-welded steel air receivers — Part 1: For pressures not exceeding 500 lb/in<sup>2</sup>.*

BS 731-1, *Flexible steel conduit and adaptors for the protection of electric cable.*

BS 799, *Oil-burning equipment — Part 1: Atomizing burners and associated equipment — Part 2: Vaporizing burners and associated equipment — Part 3: Automatic and semi-automatic atomizing burners up to 36 l/h and associated equipment.*

BS 822, *Recommendations for terminal markings for electrical machinery and apparatus — Part 5: Terminal markings for input terminals of composite apparatus.*

BS 970, *Wrought steels in the form of bars, billets, and forgings up to 6 in ruling section, for automobile and general engineering purposes. En series.*

BS 1041, *Code for temperature measurement.*

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

BS 1469, *Coal tar fuels.*

BS 1500, *Fusion-welded pressure vessels for general purposes — Part 1: Carbon and low-alloy steels.*

BS 1756, *Methods for the sampling and analysis of flue gases.*

BS 1945, *Fireguards for heating appliances.*

BS 2613, *Electrical performance of rotating electrical machines.*

BS 2706, *Non-ferrous conduit and conduit fittings (aluminium and zinc alloy).*

BS 2869, *Oil fuels.*

BS 3042, *Standard test fingers for checking protection against electric shock and mechanical hazard.*

BS 3535, *Safety isolating transformers for industrial and domestic purposes.*

BS 4568, *Steel conduits and fittings with metric threads of ISO form for electrical installations.*

BS 4607, *Non-metallic conduits and fittings for electrical installations.*

BS 6004, *PVC-insulated cables (non-armoured) for electrical power and lighting.*

BS 6007, *Elastomer-insulated cables for electric power and lighting.*

BS 6207, *Mineral-insulated cables — Part 1: Copper-sheathed cables with copper conductors.*

BS 6500, *Insulated flexible cords.*

CP 3002, *Oil firing — Part 1: Installations burning class D fuel oil and C.T.F. 50 — Part 2: Installations burning class C and class D fuel oils for vaporizing burners — Part 3: Installations burning pre-heated fuels. Class E, F and G fuel oils and C.T.F. 100 to 250.*

This British Standard, prepared under the authority of the Petroleum Equipment Industry Standards Committee, helps to ensure that the appliances covered by it are safe and will give good service, but it is necessary to point out that compliance with the standard does not of itself guarantee that satisfactory service will be obtained. Conditions of use vary greatly and it is necessary to relate the standards of performance to the actual use to which appliances should be subjected.

The present issue of this standard is technically identical with that published in 1967, but all dimensions have been revised in metric units and the electrical requirements have been modified by making reference to new electrical standards.

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 to iv, pages 1 to 8 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.