

Electrically operated blood storage refrigerators —

Part 1: Specification for closed reach-in types

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Refrigeration, Heating and Air Conditioning Standards Policy Committee (RHE/-) to Technical Committee RHE/19, upon which the following bodies were represented:

- Agricultural and Food Research Council
- British Refrigeration Association
- British Retailers' Association
- Co-operative Union
- Department of Health
- Ice Cream Federation Limited
- Institute of Refrigeration
- Institution of Electrical Engineers
- Institution of Environmental Health Officers
- Institution of Grocery Distribution
- London Refrigeration Society
- Ministry of Agriculture, Fisheries and Food
- Retail Consortium
- United Kingdom Association of Frozen Food Producers

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Association of Manufacturers of Domestic Electrical Appliances
- British Blood Transfusion Society
- British Laboratory Ware Association
- Institute of Medical Laboratory Sciences

This British Standard, having been prepared under the direction of the Refrigeration, Heating and Air Conditioning Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 29 March 1991

© BSI 07-1999

The following BSI references relate to the work on this standard:
Committee reference RHE/19
Draft for comment 89/72861 DC

ISBN 0 580 19313 6

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Classification	1
4 Materials and design	1
5 Performance	3
6 Tests	4
7 Marking and information	4
Appendix A Methods of test	5
Appendix B Care and maintenance	5
Table 1 — Capacity of blood storage refrigerators	1
Publication(s) referred to	Inside back cover

Foreword

This Part of BS 4376 has been prepared under the direction of the Refrigeration, Heating and Air Conditioning Standards Policy Committee. It is a partial revision of BS 4376:1982. This Part of BS 4376 covers all sizes of closed reach-in type refrigerators designed and equipped for the storage of whole blood and red cell components that need to be kept within specified limits of temperature. The refrigerators are intended for use in hospitals and blood collecting centres. Facilities for the storage of frozen blood products are excluded.

The requirements specified in this Part supersede the requirements of BS 4376:1982 for closed reach-in type refrigerators, which is amended to delete those requirements.

This Part of BS 4376 specifies particular requirements for the proper storage of unfrozen blood when in refrigerators complying with BS 2501.

It is envisaged that further Parts will be published to cover other types of blood product storage facilities.

Appendix B describes the routine care and maintenance which should be carried out in order to ensure that the refrigerators operate effectively in use.

For safe operation of refrigeration appliances and systems, reference should be made to BS 4434.

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.