

Inhalational anaesthesia systems —

Part 2: Anaesthetic breathing systems for adults

ICS 11.040.10

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National foreword

This British Standard reproduces verbatim ISO 8835-2:1999 and implements it as the UK national standard. It supersedes BS 7734:1994 which is withdrawn.

The ISO 8835 series under the running title “*Inhalation anaesthesia systems*” comprises three parts. Part 1 was prepared by a joint group of ISO/TC 121 and IEC/TC 62 and is published as IEC 60601-2-13 second edition, 1998, dual-numbered as ISO 8835-1:1998. This standard has not been adopted as a British Standard because the UK has instead adopted the similar (but not identical) EN 740 as BS EN 740:1999. ISO 8835-3:1997, covering anaesthetic gas scavenging systems, has not been implemented as a British Standard because gas scavenging is covered by BS EN 740.

The UK participation in its preparation was entrusted by Technical Committee CH/44, Anaesthetic machines, breathing attachments, medical gas pipeline systems and hose assemblies, to Subcommittee CH/44/1, Anaesthetic machines, breathing systems and anaesthetic gas scavenging systems, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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, the ISO title page, pages ii to iv, pages 1 to 16 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.

This British Standard, having been prepared under the direction of the Health and Environment Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 July 1999

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INTERNATIONAL STANDARD

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Inhalational anaesthesia systems —

Part 2: Anaesthetic breathing systems for adults

Systèmes d'anesthésie par inhalation —

Partie 2: Systèmes respiratoires d'anesthésie pour adultes



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8835-2 was prepared by Technical Committee ISO/TC 121, *Anaesthetic and respiratory equipment*, Subcommittee SC 1, *Breathing attachments and anaesthetic machines*.

This second edition cancels and replaces the first edition (ISO 8835-2:1993), which has been technically revised. The major difference between this revision and the first edition is the broadening of the scope to include all types of breathing system.

ISO 8835 consists of the following parts, under the general title *Inhalational anaesthesia systems*:

- *Part 1*: Published as IEC 60601-2-13, *Medical electrical equipment — Part 2-13: Particular requirements for the safety of anaesthetic workstations*;
- *Part 2*: *Anaesthetic breathing systems for adults*;
- *Part 3*: *Anaesthetic gas scavenging systems — Transfer and receiving systems*.

Annex A forms an integral part of this part of ISO 8835. Annex B and Annex C are for information only.

