This is a free page sample. Access the full version online.

AS/NZS 2496:1995

Australian/New Zealand Standard

Breathing attachments for anaesthetic purposes for human use

This is a free page sample. Access the full version online.

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee HT/7, Anaesthetic Equipment and Medical Breathing Machines. It was approved on behalf of the Council of Standards Australia on 19 January 1995 and on behalf of the Council of Standards New Zealand on 12 December 1994. It was published on 5 June 1995.

The following interests are represented on Committee HT/7:

Auckland Healthcare
Australian and New Zealand College of Anaesthetists
Australian Chamber of Commerce and Industry
Australian Society of Anaesthetists
Commonwealth Department of Human Services and Health (Australia)
Department of Health and Community Services, Vic.
Department of Health, N.S.W.
Health Department, W.A.
Medical Industry Association of Australia
Metal Trades Industry Association of Australia
Ministry of Commerce, N.Z.
New Zealand Electrical and Electronic Manufacturers Federation
Queensland Health
South Australian Health Commission

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 93064.

This is a free page sample. Access the full version online.

AS/NZS 2496:1995

Australian/New Zealand Standard

Breathing attachments for anaesthetic purposes for human use

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7262 9668 6

This is a free page sample. Access the full version online.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee HT/7 on Anaesthetic Equipment and Medical Breathing Machines, to supersede AS 2496—1981.

In the preparation of this Standard, account was taken of ISO 5356-1, *Anaesthetic and respiratory equipment—Conical connectors*—Part 1: *Cones and sockets*, and ISO 5356-2, *Anaesthetic and respiratory equipment—Conical connectors*—Part 2: *Screw-threaded weight bearing connectors*.

The objective of this Standard is to provide users of breathing attachments with fittings that are non-interchangeable and less prone to misconnection and disconnection.

The Standard differs from ISO 5356-1 and ISO 5356-2 in that the reservoir bag connection is a male fitting at the machine end in contrast to the ISO Standards which specify a female fitting. This change has been instituted to minimize mis-connection with the breathing system. In addition, this Standard specifies colour coding for hoses in the breathing system, and a connection sequence for scavenging.

The principal differences between the 1981 edition of AS 2496 and this edition are as follows:

(a) Requirements are given for 19 mm connectors.

(b) Fittings and sequence for scavenging are specified.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

This is a free page sample. Access the full version online.

CONTENTS

Page

1 SCOPE 4
2 REFERENCED DOCUMENTS 4
3 DEFINITIONS 4
4 MATERIALS FOR RIGID COMPONENTS FOR BREATHING ATTACHMENTS 5
5 ELECTRICAL CONDUCTIVITY 6
6 STERILIZATION 6
7 CONICAL FITTINGS MADE OF RIGID MATERIAL 6
8 CONICAL FITTINGS MADE OF SEMI-RIGID PLASTICS MATERIAL EXCLUDING ELASTOMERS 7
9 SOCKETS MADE OF ELASTOMERIC MATERIAL 7
10 CONNECTIONS FOR RESERVOIR BAG PORT, RESERVOIR BAG AND CORRUGATED TUBING 7
11 SIZE AND SEQUENCE OF CONICAL FITTINGS FOR ADULT USE 8
12 FITTINGS CONNECTING ANAESTHETIC VENTILATOR, PATIENT AND HUMIDIFIER 9
13 SCAVENGING CONNECTIONS 9
14 SIZE AND SEQUENCE OF CONICAL FITTINGS FOR PAEDIATRIC USE . . 10
15 MARKING OF FLOW-DIRECTION-SENSITIVE COMPONENTS 10
16 APPLICATION OF SCREW-THREADED, WEIGHT-BEARING FITTINGS . . . 10
17 CONNECTIONS FOR VAPORIZERS 11
18 FRESH-GAS INLET 12

APPENDICES
A BREATHING ATTACHMENTS FOR USE WITH ADULTS—SUMMARY OF SIZE AND SEQUENCE OF FITTINGS 28
B SOME WIDELY USED SYSTEMS INCORPORATING FLOW-DIRECTION-SENSITIVE COMPONENTS 29

Originated as AS T37—1966.
Revised and redesignated AS 2496— 1981.
Jointly revised and designated as AS/NZS 2496:1995.

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation