AS 2773:2019

Australian STANDARD®

Ultrasonic cleaners for health service organisations

STANDARDS Australia

AS 2773:2019

This Australian Standard® was prepared by HE-023, Processing of Medical and Surgical Instruments. It was approved on behalf of the Council of Standards Australia on 9 December 2019.

This Standard was published on 20 December 2019.

The following are represented on Committee HE-023:

Australasian College for Infection Prevention and Control
Australian Chamber of Commerce and Industry
Australian College of Perioperative Nurses
Australian Dental Association
Australian Dental Industry Association
Australian Industry Group
Australian Institute of Packaging
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This Standard was issued in draft form for comment as DR AS 2773:2019.

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ISBN 978 1 76072 684 3

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First published as AS 2773—1985.
Revised and redesignated as AS 2773.1—1998 and AS 2773.2—1999.
Revised, amalgamated and redesignated as AS 2773:2019.

Preface

This Standard was prepared by the Standards Australia Committee HE-023, Processing of Medical and Surgical Instruments, to supersede AS 2773.1—1998, *Ultrasonic cleaners for health care facilities, Part 1: Non-portable* and AS 2773.2—1998, *Ultrasonic cleaners for health care facilities, Part 2: Benchtop*.

The objective of this Standard is to specify requirements for ultrasonic cleaners which are intended to clean reusable medical and surgical equipment used in health service organisations.

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.

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Section 1 Scope and general

1.1 Scope

This Standard specifies requirements for ultrasonic cleaners which are intended to clean reusable medical and surgical equipment used in health service organisations.

NOTE 1 Some ultrasonic cleaners are specifically designed for the cleaning of cannulated equipment. Where the machine is to be used to clean fibre optics or other specialized equipment, the manufacturer of that equipment should be consulted for advice as to its suitability for the ultrasonic cleaning process.

NOTE 2 Ultrasonic cleaners may be incorporated into a system that includes a rinsing stage and a drying stage.

NOTE 3 Guidance on information that should be supplied with enquiries and orders is given in Appendix A.

NOTE 4 Guidance on the use of ultrasonic cleaners is given in Appendix B.

1.2 Innovation

This Standard does not prevent the use of materials, methods of assembly, procedures and the like that do not conform to the specific requirements of this Standard, or are not mentioned in it, provided the minimum dimensional and performance requirements specified herein are met.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

AS 60529, *Degrees of protection provided by enclosures (IP Code)*

AS ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

AS/NZS 1269.1, *Occupational noise management, Part 1: Measurement and assessment of noise immission and exposure*

AS/NZS 2243.5, *Safety in laboratories, Part 5: Non-ionizing radiations — Electromagnetic, sound and ultrasound*

AS/NZS 3100, *Approval and test specification — General requirements for electrical equipment*

AS/NZS 4187, *Reprocessing of reusable medical devices in health service organizations*

AS/NZS IEC 60947-1, *Low-voltage switchgear and controlgear, Part 1: General rules*

ISO 11139, *Sterilization of health care products — Vocabulary of terms used in sterilization and related equipment and process standards*

ISO 15883-1, *Washer-disinfectors — Part 1: General requirements, terms and definitions and tests*

IEC 61326-1, *Electrical equipment for measurement, control and laboratory use — EMC requirements — Part 1: General requirements*

Plumbing Code of Australia

1.4 Terms and definitions

For the purpose of this document, the definitions given in AS/NZS 4187 and those below apply.