

AS 3136—1996/NZS 6232:1996

Australian/New Zealand Standard[®]

**Approval and test specification—
Electrical equipment for spa-baths
and spa and swimming pools**

AS 3136—1996/NZS 6232:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 21 February 1996 and on behalf of the Council of Standards New Zealand on 4 February 1996. It was published on 5 May 1996.

The following interests are represented on Committee EL/2:

Association of New Zealand Electrical Appliance Distributors
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Electronics Suppliers Association, Australia
Electrical regulatory authorities
Electricity Supply Association of Australia
Electrical test laboratories
Institution of Engineers, Australia
Metal Trades Industry Association of Australia
Ministry of Commerce, New Zealand
New Zealand Manufacturers Federation

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PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

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

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/2 on Electrical Approvals Standards to supersede AS 3136—1992 and NZS 6232:1992 from date of publication.

This Standard is one of a series of Approval and Test Specifications issued by Standards Australia and Standards New Zealand. These Standards are to be read in conjunction with AS 3100, *Approval and test specification—General requirements for electrical equipment*. The objective of these Standards is to outline the conditions which must be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

This Standard was revised to incorporate Amendment Nos 1 and 2 to AS 3136—1992 and NZS 6232:1992 and to effect changes to Clauses 13.1, 13.2, 14, 19.1, 19.8.3 and 19.8.5 concerning deletion of terms, transformers, locked-rotor test and deletion of the running overload test.

Where there is a published Australian/New Zealand harmonized or Joint Standard referenced in this Standard, the relevant New Zealand Standard number is given in Clause 3 of this Standard.

This Standard does not provide all the necessary conditions for a contract.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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Electrical equipment for spa-baths and spa and swimming pools**

1 SCOPE This Standard applies to electrical equipment for use with spa-baths and spa and swimming pools, which are intended for operation at low voltage.

The following are examples of electrical equipment to which this Standard is applicable:

- (a) Spa-bath and spa and swimming pool pumps.
- (b) Spa-bath and spa and swimming pool heaters.
- (c) Spa-bath and spa-pool blowers.
- (d) Pool chlorinators.
- (e) Automatic chemical injection equipment.
- (f) Spa-bath and spa and swimming pool control equipment.

This Standard does not apply to the following:

- (i) Spa and swimming pool luminaires.
- (ii) Equipment for use with aquariums and fountains.

2 APPLICATION

2.1 General requirements of AS 3100 The Standard shall be read in conjunction with AS 3100. The appropriate provisions of AS 3100 shall apply to the construction of the equipment and the insulation and safeguarding of parts which normally carry current.

2.2 Specific requirements of this Standard Equipment shall comply with this Standard only if it complies with all the appropriate requirements of this Standard and passes the relevant tests specified herein.

2.3 Requirements of other Standard Components incorporated in electrical equipment for spa-baths and spa and swimming pools, upon which safety depends, shall comply with the appropriate requirements of any relevant Approval and Test Specification, unless such requirements are varied herein.

NOTE: All equipment covered by this Standard is to be installed in accordance with the requirements of AS 3000 in Australia and the Ministry of Commerce Electrical Wiring Regulations in New Zealand.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

NOTE: Where no relevant New Zealand Standard is listed, the referenced Australian Standard is deemed to be appropriate for the purpose of this Standard.

STANDARDS

AS 1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
AS 3000	Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)
IEC 252	A.C. motor capacitors
BS EN 60252	a.c. motor capacitors