

Australian Standard[®]

**Approval and test specification—
Electric jugs (with non-metallic
bodies)**

This Australian Standard was prepared by Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 14 July 1993 and published on 13 September 1993.

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
Electrical Supply Association of Australia
Electrical test laboratories
Electricity Supply Association, New Zealand
Federal Bureau of Consumer Affairs, Australia
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PREFACE

This Australian Standard was prepared by the Joint Australia/New Zealand Standards Committee EL/2 on Electrical Approvals Standards to supersede AS 3106—1987.

This Standard is one of a series of Approval and Test Specifications issued by Standards Australia and Standards New Zealand. In Australia, these Standards are to be read in conjunction with AS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose 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 No. 1 to AS 3106—1987 and to effect change to Clause 6 for materials for use as element supports.

Where there is a published Australian/New Zealand harmonized or Joint Standard referenced in this Standard, the New Zealand Standard number is given in parenthesis following the Australian Standard number.

This Standard supersedes AS 3106—1987 from date of publication with the exception of part of Clause 6 which comes into effect one year from the date of publication. It is produced as an Australian Standard because electric jugs as defined in Clause 4 of this Standard are not allowed in New Zealand.

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

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STANDARDS AUSTRALIA

Australian Standard

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(with non-metallic bodies)**

1 SCOPE This Standard applies to electric jugs having non-metallic bodies and intended for electrical operation at low voltage.

For the purpose of this Standard an electric jug is called a jug.

NOTES:

- 1 The use of jugs having electrode-type elements is prohibited in certain States and electricity supply areas.
- 2 An appliance in the form of a container incorporating a sheathed element with provision for earthing the sheath is within the scope of AS 3313/NZS 6315, and not this Standard, even though it may have a non-metallic body and, in shape, resemble a conventional jug.

2 APPLICATION

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

2.2 Specific requirements of this Standard A jug shall be deemed to comply with this Standard only if it complies with all the requirements of this Standard and satisfactorily passes the tests specified herein.

2.3 Compliance with other Standards Equipment and components incorporated in a jug upon which safety depends shall comply with the appropriate requirements of any relevant approval and test specification unless such requirements are varied herein.

3 REFERENCED DOCUMENTS The following approval and test specifications are referred to in this Standard:

AS 3100	General requirements for electrical equipment
AS 3109	Appliance couplers for household and similar general purposes
AS 3109.1	Part 1: General requirements
AS 3121 (NZS/AS 3121)	Insulating mouldings
AS 3191	Electric flexible cords
AS 3313/NZS 6315	Particular requirements for appliances for heating liquids

4 DEFINITIONS For the purpose of this Standard, the definitions below apply:

4.1 Electric jug—a jug or similar vessel having a body of non-metallic material which incorporates a bare electric heating element, a sheathed resistor-type electric heating element with no provision for earthing the sheath, or electrodes.

4.2 Type A electric jug—having an open or bare resistor-type element.

4.3 Type B electric jug—having an electrode-type element.

4.4 Type C electric jug—having a resistor-type element enclosed within a metal sheath with no provision for earthing the sheath.