

Australian/New Zealand Standard™

**Household and similar electrical  
appliances—Safety**

**Part 2.15: Particular requirements for  
appliances for heating liquids  
(IEC 60335-2-15 Ed 6.2, MOD)**



## **AS/NZS 60335.2.15:2019**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 26 November 2019 and by the New Zealand Standards Approval Board on 6 November 2019.

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### Part 2.15: Particular requirements for appliances for heating liquids (IEC 60335-2-15 Ed 6.2, MOD)

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

## AS/NZS 60335.2.15:2019

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –  
SAFETY –

## Part 2.15: Particular requirements for appliances for heating liquids

## Foreword

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002- Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede AS/NZS 60335.2.15:2013 two years from the date of publication. During this period AS/NZS 60335.2.15:2013 will also remain current. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand.

The text of IEC 60335-2-15 Ed 6.2, prepared by IEC Technical Committee TC 61, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard

The principal changes in this edition as compared with the 2013 edition of AS/NZS 60335.2.15 and its amendments are as follows (minor changes are not listed).

- added modified requirements for feeding-bottle heaters (3.104, 7.12, 22.110);
- clarified the abnormal operation test for kettles (19.101);
- clarified the use of self-resetting thermal cutouts (24.101);

This standard is an adoption with national modifications of the sixth edition of IEC 60335-2-15, *Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids* including its amendment 1 (2016) and amendment 2 (2018). It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 60335.1 Household and similar electrical appliances – Safety – Part 1: General requirements and its Amendments. It was established on the basis of AS/NZS 60335.1:2011.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60335.1 so as to convert it into the Australian/New Zealand Standard: Safety requirements for appliances for heating liquids.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;

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- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.

NOTE 2 The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3.

- p NOTE 3 In this document, p is used in the margin to indicate instructions for preparing a consolidated version.

The essential safety requirements in AS/NZS 3820<sup>1</sup> that could be applicable to requirements for appliances for heating liquids are covered by this standard.

The national variations to the IEC 60335-2-15 Ed 6.2 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

The text of the International Standard IEC 60335-2-15 Ed 6.2 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

### AUSTRALIAN NATIONAL VARIATIONS

The following national variations to this Part 2 are additional to those listed in the national variations of AS/NZS 60335.1:2011.

## 2 Normative references

- p *Replace* the text with the following variation:

This clause of Part 1 is applicable except as follows.

*Addition:*

AS/NZS 60335.2.14, *Household and similar electrical appliances – Safety – Part 2.14: Particular requirements for kitchen machines*

## 3 Terms and definitions

- p After 3.113 *insert* the following variation:

### AZ.3.101

#### **all-in-one kitchen appliance**

**combined appliance** that incorporates both the functions of an electric kitchen machine and an appliance for heating liquids for household and similar purposes but does not include a pressure cooking function

## 5 General conditions for the tests

- p **5.2** *Add* the following variation to the addition.

*For kettles having a glass water container ten additional samples are required for the tests of 21.1.*

- p After 5.101 *insert* the following variation:

**AZ.5.101** *All-in-one kitchen appliances* are also subjected to the tests specified in AS/NZS 60335.2.14 for food blenders, liquid blenders, food mixers and food processors.

<sup>1</sup> AS/NZS 3820 *Essential safety requirements for electrical equipment*