

AS/NZS 60335.2.31:2024



Australian/New Zealand Standard™

Household and similar electrical appliances — Safety

Part 2.31: Particular requirements for range hoods and other cooking fume extractors (IEC 60335-2-31:2024, MOD)



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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 and Power Supplies. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 21 November 2024 and by the New Zealand Standards Approval Board on 11 December 2024.

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The following are represented on Committee EL-002:

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Australian Retailers Association
Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
Business New Zealand
Consumer Electronic Suppliers Association, Australia
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National Retailers Association, Australia
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NOTES

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PREFACE

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 60335.2.31:2020 3 years from the date of publication of this standard. During this period, AS/NZS 60335.2.31:2020 and its amendments will remain current. Regulatory authorities that reference this standard in regulation may apply these requirements at a different time. Users of this standard should consult these authorities to confirm their requirements.

The objective of this standard is to provide manufacturers, designers, regulatory authorities, testing laboratories, and similar organisations 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 60335-2-31, Ed. 6.0, prepared by IEC Technical 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 2020 edition of AS/NZS 60335.2.31 are as follows (minor changes are not listed):

- (a) Alignment with AS/NZS 60335.1:2022;
- (b) Conversion of some notes to normative text (clause 1, 22.8, 22.101, 22.102);
- (c) Update of the installation requirements for the heating fans to include down-draft systems (11.2);
- (d) Addition of accessible surface temperature limits (1.3, 11.8);
- (e) Introduction of IEC TR 62854 to determine compliance in case of doubt (22.14);
- (f) Clarification of remote operation requirements for range hoods and other cooking fume extraction appliances (22.40, 22.49, 22.51);
- (g) Clarification of 30.101 with respect to grease filters and odour extraction filters.

This standard is an adoption with national modifications of the sixth edition of IEC 60335-2-31, *Household and similar electrical appliances – Safety – Part 2-31: Particular requirements for range hoods and other cooking fume extractors*. It has been modified 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, unless that edition precludes it. In that case, the latest edition that does not preclude it is used. It was established on the basis of AS/NZS 60335.1:2022.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60335.1 so as to convert it to the Australian/New Zealand standard: Safety requirements for range hoods and other cooking fume extractors.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. Where 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;