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AS 3172—1990

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2. 1991.
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AS/NZS 3172:1993
Approval and test specification—Electric cooking appliances for household use
(In Professional Package 28A) 28pp *GG*
Specifies essential safety requirements for approval and test purposes. In Australia this Standard is to be read in conjunction with AS 3100. In New Zealand it is to be read in conjunction with NZS 6200 for the purposes of Clauses 16 and 18. Produced as a Joint Australian/New Zealand Standard.
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Australian Standard®

Approval and test specification—Electric cooking appliances for household use

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This Australian Standard was prepared by Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 20 March 1990 and published on 16 July 1990.

The following interests are represented on Committee EL/2:

Australian Consumers Association

Australian Electrical and Electronic Manufacturers Association

Confederation of Australian Industry

Consumer Electronics Suppliers Association

Electrical Apparatus Approvals Authorities

Electrical Testing Laboratories

Electricity Supply Association of Australia

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STANDARDS AUSTRALIA

Amendment No 1
to
AS 3172—1990
Approval and test specification—
Electric cooking appliances for household use

REVISED TEXT

The 1990 edition of AS 3172 is amended as follows; the amendment(s) should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clauses 1.3, 18.9.2, Table 1 and Appendix A.

Published on 12 November 1990.

AMDT No 1 NOV 1990

Page 4 Clause 1.

1 *Delete* the following from the second paragraph:

(a) Saucepan type cookers
(b) All text after the word 'grillers' in the 3rd line

2. *Add* as an exemption in the third paragraph the following:

AS 3313—Appliances for heating liquids

This Amendment forms part of the Specification on 30th November 1991.

AMDT No 1 NOV 1990

Page 4 Clause 3

Add to the list of Approval and Test Specifications the following:

3313 Particular requirements for heating liquids

This Amendment forms part of the Specification on 30th November 1991.

AMDT No 1 NOV 1990

Page 14 Clause 18.9.2

Insert the following Clause 18.9.2:

†**18.9.2** *Test for ranges.* The vessel from which the test solution is discharged shall have a single orifice of such size that 110 mL of water is discharged in approximately 10 s. The vessel shall be 150 mm above the device being tested.

The following procedures shall be carried out:

(a) 110 mL of the test solution shall be discharged around the edge of each hotplate.

(b) 110 mL of the test solution shall be discharged around the edge of each hotplate in the vicinity of the termination to the hotplate.

(c) 110 mL of the test solution shall be discharged separately on each of the sides, back and front edge of any cooking hob (440 mL total), provided that none shall be poured directly over any raised up sections of the hob containing control switches and the like.

Any spillage tray or well shall be emptied after each 110 mL of test solution has been discharged.

† This test ceases to be part of the Specification in July 1991.

This Amendment forms part of the Specification on publication.

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AMDT No 1 NOV 1990

Page 7 Table 1

Delete from Table 1 the following:

Saucepan type cookers
Electric urns
Slow cookers
Electric kettles
Coffee percolators
Drink heaters
Bottle warmers
Egg boilers and steamers
Rice cookers

This Amendment forms part of the Specification on 30th November 1991.

AMDT No 1 NOV 1990

Page 20 Appendix A

Delete the reference to Saucepan type cookers in Paragraph A5.

Delete Paragraph A10.

Delete Paragraph A12.

This Amendment forms part of the Specification on 30th November 1991.

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STANDARDS AUSTRALIA

Amendment No 2
to
AS 3172—1990
Approval and test specification—Electric cooking appliances for household use

REVISED TEXT

The 1990 edition of AS 3172, which was amended in November 1990, is further amended as follows; the amendment(s) should be inser in the appropriate place.

SUMMARY: This Amendment applies to Clauses 8.1, 15.7 and 16.

Published on 25 January 1991.

AMDT No 2 JAN 1991

Page 8 Clause 8.1

Delete the opening line of the second Paragraph and *substitute* the following:

Where an oven shelf is withdrawable, unless the shelf is so designed to contain liquids such as roasting trays or the like, it shall be—

This Amendment forms part of the Specification on publication.

AMDT No 2 JAN 1991

Page 12 Clause 15.7

Add the following new Clause 15.7:

15.7 Forms of protection other than fuses Forms of protection other than fuses complying with AS 3135 or AS 2005: Part 3 or, circuit-breakers complying with AS 3111 shall be acceptable if they meet the following requirements:

(a) The protective device shall be non self-resetting.

(b) If it provides protection equivalent to a fuse it shall comply with tests number 5 and 6 for Category of duty A1, in Table 2 of AS 3135.

(c) If it provides protection equivalent to a miniature circuit-breaker, it shall comply with tests number 8 and 9 for a breaking capacity of 1.5 kA, in Table 2 of AS 3111.

(d) If the protective device can be reset without replacement of a part, it shall withstand without damage 200 cycles of operation under the conditions in which it is intended to operate at 6 times its rated current. The test shall be carried out at the rated voltage of the appliance.

(e) If the protective device requires replacement of a part to reset the device, it shall be caused to operate 6 times under the conditions in which it is intended to operate at 2.1 times its rated current, a new part being fitted each time. The test shall be carried out at the rated voltage of the appliance.

This Amendment forms part of the Specification on publication.

AMDT No 2 JAN 1991

Page 12 Clause 16

Add the following Clause:

16.4 Cooking appliances with glasstops and halogen-lamp heating units—Warning instruction An instruction shall be included with cooking appliances incorporating glass tops and halogen-lamp heating units to warn users to avoid staring at the units when in operation e.g. Warning—do not stare at the heating units when in operation!

This Amendment forms part of the Specification 12 months from publication.

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