AS 1361—1995 (Incorporating Amendment No. 1)

Australian Standard™

Electric heat-exchange water heaters— For domestic applications



This Australian Standard was prepared by Committee EL-020, Electric Water Heating Appliances. It was approved on behalf of the Council of Standards Australia on 23 December 1994.

This Standard was published on 5 March 1995.

The following are represented on Committee EL-020:

Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers' Association
Australian Gas Association
Australian Stainless Steel Development Association
Electricity Supply Association of Australia
Engineering and Water Supply Department, S.A.
Heat Exchange Water Heater Manufactures' Association
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Australian Standard™

Electric heat-exchange water heaters— For domestic applications

First published as AS C409—1971.
Revised and redesignated AS 1361—1973.
Second edition 1995.
Reissued incorporating Amendment No. 1 (2005)
Reconfirmed in 2016.

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Published by Standards Australia, GPO Box 476, Sydney, NSW 2001, Australia ISBN 0 7262 9591 4

AS 1361—1995

PREFACE

This Standard was prepared by the Joint Standards Australia/New Zealand Committee EL-020 on Electric Water Heating Appliances to supersede AS 1361—1973, *Automatic electric heat exchange water heaters*.

This Standard incorporates Amendment No. 1 (September 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

This edition is restricted to water heaters intended for domestic situations and incorporates a heat loss test similar in principle to the test used in AS 1056.1, *Storage water heaters*, Part 1: *General requirements*, and includes other changes made to align more closely with AS 1056.1.

This Standard has been amended to incorporate key changes that will improve the accuracy of the existing methods of test for MEPS heat loss testing to acceptable levels.

AS/NZS 4692.1, *Electric water heaters*, Part 1: *Energy consumption, performance and general requirements*, sets out a new test method for MEPS heat loss testing.

This amended Standard will remain current until confidence and experience have been gained with AS/NZS 4692.1, after which time it will be superseded by AS/NZS 4692.1 and AS/NZS 4692.2, *Electric water heaters*, Part 2: *Minimum Energy Performance Standards (MEPS) requirements and energy labelling*.

The new regulatory Standard AS/NZS 4692.2 will allow testing to either the amended AS 1056.1, Storage water heaters, Part 1: General requirements or AS 1361, Electric heatexchange water heaters—For domestic applications, as applicable, or to AS/NZS 4692.1. MEPS levels, as defined under each test method, are provided in AS/NZS 4692.2. The key elements included in Amendment 1 are as follows:

- Energy correction at the thermostat cut-out.
- Shielding of the water heater from other objects under test that have a temperate difference of greater than 5 K.
- Mounting the water heater on a wooden platform when testing. A cement sheet is also an acceptable mounting.
- 24 h stabilization plus 48 h test period.
- Product specification to be supplied with the test report.
- Frequency of sampling for air and water temperature measurements to be reduced to an acceptable period (5 min or less).

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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