

AS 1056.1—1991
(Incorporating Amendment Nos. 1, 2, 3, 4 and 5)

AS 1056.1—1991

Australian Standard™

Storage water heaters

Part 1: General requirements



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 8 February 1991.
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The following are represented on Committee EL-020:

Australian Consumers Association
Australian Electrical and Electronic Manufacturer's Association
Australian Gas Association
Confederation of Australian Industry
Electricity Supply Association of Australia
Engineering and Water Supply Department, S.A.
Heat Exchange Water Heater Manufacturers Association
Metal Trades Industry Association of Australia

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electric Water Heating Appliances to supersede the 1985 edition (thrice amended), to remove outdated references, to recognize changes to referenced Standards and Codes, to introduce requirements for the location of the boosting unit thermostat (see Clause 3.1.5.2), to amend the requirements for thermostat setting (see Clause 3.2.2), and to make it clear that safety valves are not lagged during testing (see Appendices B and C).

This Standard incorporates Amendment No. 1 (July 1992), Amendment No. 2 (December 1995), Amendment No. 3 (August 1996), Amendment No. 4 (January 2000) and Amendment No. 5 (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 one of a series covering storage water heaters as follows:

AS

1056	Storage water heaters
1056.1	Part 1: General requirements (this Standard)
1056.2	Part 2: Specific requirements for water heaters with single shells
1056.3	Part 3: Specific requirements for water heaters with composite shells
1056.4	Part 4: Calculations of energy consumption

A5

The amendment to this Standard includes 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 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will remain current until confidence and experience have been gained with AS/NZS 4692.1, after which time it will be superseded by AS/NZS 4692.1 and AS/NZS 4692.2.

The new regulatory Standard AS/NZS 4692.2 will allow testing to either the amended AS/NZS 1056.1 or AS/NZS 1361, 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 5 are as follows:

- Energy correction at the thermostat cut-out.
- Shielding of the water heater from other objects under test that have a temperature 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).

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	5
1.5 COMPLIANCE WITH OTHER SPECIFICATIONS	9
1.6 RATED HOT-WATER DELIVERY/CAPACITY	9
1.7 FACILITIES FOR MAINTENANCE	9
1.8 CLEANLINESS IN MANUFACTURE	10
SECTION 2 CONSTRUCTION REQUIREMENTS	
2.1 FIXING OF HEATING UNITS TO SHELL	11
2.2 SACRIFICIAL ANODES	13
2.3 FITTINGS IN CONTACT WITH WATER	13
2.4 THERMAL INSULATION	13
2.5 CORSET	14
2.6 CASING	14
2.7 HYDROSTATIC OVERPRESSURE WITHSTAND	15
2.8 PRESSURE FATIGUE WITHSTAND (OF AN UNVENTED CONTAINER)	15
2.9 EXTERNAL TORQUE WITHSTAND	15
SECTION 3 ELECTRICAL COMPONENTS	
3.1 HEATING UNITS	16
3.2 THERMOSTATS AND THERMAL CUTOUTS	18
SECTION 4 FEED TANKS AND WATER FITTINGS	
4.1 ATTACHED FEED TANK	19
4.2 WATER FITTINGS	20
4.3 WATER PIPES	20
4.4 DRAINAGE FACILITIES	20
SECTION 5 MARKING AND INSTALLATION INSTRUCTIONS	
5.1 MARKING	21
5.2 INSTRUCTIONS FOR INSTALLATION AND MAINTENANCE	21
SECTION 6 DETERMINATION OF COMPLIANCE	
6.1 TYPE TESTS	23
6.2 ROUTINE TESTS	23
APPENDICES	
A INFORMATION TO BE SUPPLIED WITH ENQUIRY AND ORDER	25
B METHOD FOR THE DETERMINATION OF HEAT LOSS	26
C METHOD FOR THE DETERMINATION OF HOT-WATER DELIVERY	30
D TYPICAL PRODUCT SPECIFICATION FOR A WATER HEATER	33

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