

Australian Standard 1056-1977

AUTOMATIC ELECTRIC STORAGE WATER HEATERS WITH HOT WATER DELIVERIES RANGING FROM 25 LITRES TO 630 LITRES



STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

THE FOLLOWING SCIENTIFIC, INDUSTRIAL, GOVERNMENTAL AND consumer organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia

Australian Consumers Association

Australian Electrical Manufacturers Association

Electrical Contractors Associations of Australia

Electricity Supply Association of Australia

Federated Master Plumbers of Australia

Water Supply Authorities

This standard, prepared by Committee EL/20, Electric Water Heating Appliances, was approved on behalf of the Council of the Standards Association of Australia on 8 August 1977, and was published on 1 December 1977.

To keep abreast of progress in industry, Australian Standards are regularly reviewed. Suggestions for improvement to published standards, addressed to the head office of the Association, are welcomed.

January 1978

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

CORRIGENDA

to

AS 1056—1977

**AUTOMATIC ELECTRIC STORAGE WATER HEATERS WITH HOT
WATER DELIVERIES RANGING FROM 25 TO 630 LITRES**

SUMMARY: The following sections of the standard are covered by this correction slip:
Clauses 2.5.5, 4.2.2.2; Appendix E.

26 JAN 1978

AUSTRALIAN STANDARD SPECIFICATION

**AUTOMATIC ELECTRIC
STORAGE WATER HEATERS
WITH HOT WATER DELIVERIES
RANGING FROM 25 LITRES
TO 630 LITRES**

AS 1056 — 1977

First published	1972
Revised	1977

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR STREET, NORTH SYDNEY, N.S.W.**



ISBN 0 7262 3073 1

PREFACE

This standard was prepared by the Association's Committee on Electric Water Heating Appliances as a revised edition of AS 1056—1972.

The standard sets out requirements which should ensure that automatic electric storage water heaters complying with its provisions will be manufactured with a good quality of workmanship, have a high standard of performance and durability, and be easily serviced.

One of the major changes incorporated during the revision is the provision for the use of non-metallic materials for the construction of containers of vented type heaters. Initially, only one material, polypropylene, has been recognized and special tests have been included for this material.

The other significant changes are:

- Nickel alloy, nickel plated, or bare copper sheathed heating units cannot be used in heaters with bonded vitreous enamel linings unless a resistor is incorporated to minimize anode-to-sheath current.
- Strict limitations have been introduced on the type and extent of repair welding after enamelling on containers having bonded vitreous enamel linings.
- Tubular type heating units in which the flange and the heating element are not an integral unit, must now be provided with means of preventing rotation of the element.
- A new requirement for thermostat settings has been introduced which specifies a minimum 10°C differential between the settings for the main heating unit and the booster heating unit.
- The information to be supplied with a heater submitted for testing (Appendix E) has been updated and expanded.

As in the previous edition, a list of standard hot water deliveries has been included to cover water heaters from 25 to 630 litres. Heaters with hot water deliveries in excess of 630 litres generally require special provisions to be made to meet the needs of the purchaser. In view of this the standard cannot adequately cater for all these needs. Purchasers of heaters with hot water deliveries in excess of 630 litres are therefore advised to include in their requirements such provisions of this standard as are relevant to their needs.

Several references are made to AS 3142, Approval and Test Specification for Electric Water Heaters, which contains the essential electrical safety requirements applicable to electric storage water heaters. Compliance with this approval and test specification is insisted upon by supply authorities as a condition for connection to their mains; and for unvented

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-