



Safety and public health requirements for plumbing products — Water heaters and hot-water storage tanks



AS 3498:2020

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The following are represented on Committee EL-020:

- Australian Building Codes Board
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Water Heating Forum
- Department of the Environment and Energy (Australian Government)
- Electrical Compliance Testing Association of Australia
- Gas Appliance Manufacturers Association of Australia
- NSW Fair Trading
- Plumbing Products Industry Group

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Preface

This Standard was prepared by the Australian members of the joint Standards Australia/Standards New Zealand Committee EL-020, Electric Water Heating Appliances, to supersede AS 3498—2009.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide uniform requirements that regulatory authorities may apply in Australia for basic safety and public health issues relating to the use of water heaters and hot-water storage tanks.

This edition is a major revision of the superseded edition. The main objective of the revision was to introduce a new class of water heaters intended to limit the water temperature at the outlet from sanitary fixtures that are connected to the water heater and used primarily for personal hygiene purposes to no greater than 45 °C. The methods of test in the superseded edition were expanded to enable validation of the delivery temperature performance and durability of such water heaters which are defined in this edition as 45 °C-limited water heaters.

Other changes include:

- (a) The classification of water heaters that claim to limit the water temperature at the outlet from sanitary fixtures that are connected to the water heater and used primarily for personal hygiene purposes to no greater than 50 °C, as 50 °C-limited water heaters.
- (b) The addition of definitions for delivery temperature, installer temperature adjustment, set temperature and user temperature adjustment to improve clarity of testing and conformance requirements.
- (c) Consolidation of the testing steps for 50 °C-limited water heaters.
- (d) A requirement for a delivery temperature warning on water heaters other than 45 °C-limited water heaters and 50 °C-limited water heaters.
- (e) Updates to reference current Standards.

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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