

Australian Standard™

**Authorization requirements for
plumbing products—Water heaters and
hot-water storage tanks**



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 28 March 2003.

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The following are represented on Committee EL-020:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Gas Association
Australian Industry Group
Australian Stainless Steel Development Association
Department of Industry Science and Resources (Australia)
Energy Efficiency and Conservation Authority of New Zealand
Gas Appliance Suppliers Association (New Zealand)
Heat Exchange Manufacturers Association (Australia)
Master Plumbers, Gasfitters and Drainlayers New Zealand
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**Authorization requirements for
plumbing products—Water heaters and
hot-water storage tanks**

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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—1995. 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.

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.

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

This edition is a major revision of the superseded edition, and incorporates the following significant changes:

- A1
- (a) Specifies that all heaters comply with the requirements of AS/NZS 4020.
 - (b) Creates a new classification for heaters that claim to deliver water not greater than 50°C. Such heaters are permanently marked with a warning label with internal temperature adjustment permanently disabled. To validate the performance of such heaters, new methods of tests to evaluate transient temperature spikes and to evaluate scalding are defined. Also included are a series of tests for proving the durability of such appliances.

Amendment No. 1 is issued to strengthen the intent of Section 7, Control and protection. The changes confirm hot water adjacent to any temperature and pressure relief valve (T&PRV) should not reach temperatures to cause the valve to operate thermally under normal operating conditions. The T&PRV is a safety device and should not be used as a control device.

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