

AS 2593—1995

Australian Standard<sup>®</sup>

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**Boilers—Unattended and limited  
attendance**

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This Australian Standard was prepared by Committee ME/1, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 29 March 1995 and published on 5 July 1995.

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The following interests are represented on Committee ME/1:

Aluminium Development Council  
Australian Compressed Air and Mining Equipment Institute  
Australian Institute of Non-destructive Testing  
Australian Institute of Energy  
Australian Liquefied Petroleum Gas Association  
Australian Valve Manufacturers Association  
Boiler and Pressure Vessel Manufacturers Association of Australia  
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## PREFACE

This Standard was prepared by Standards Australia/Standards New Zealand Committee ME/1 on Pressure Equipment and supersedes AS 2593—1990.

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

In this Standard, the inspecting authorities have further developed the table of boiler attendance categories to include the limits of Amendment No. 1 to the 1990 edition and also to increase the maximum capacity of the small low-hazard boilers to 500 kW.

The inspecting authorities have also clearly defined the personnel involved in the design, installation, commissioning and maintenance of control systems and boilers.

The design parameters, without continuous human supervision, include the types of boilers, associated equipment, controls and installation requirements in this Standard that have been selected to maximize the two most important features essential to the safe and reliable operation of boilers. They are as follows:

- (a) The overall system of control of operations must be highly reliable, maximize fail-safe features of all equipment, and use self-checking fail-safe features for all critical control equipment.
- (b) The type of boiler and energy input must be such that in the rare event of the overall system of control failing unsafe, the mode of failure of the boiler system will result in minimal risk to any person.

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- (i) Adoption by a government or other authority having jurisdiction.
- (ii) Adoption by a purchaser as the required standard of construction when placing a contract.
- (iii) Adoption where a manufacturer states that a vessel is in accordance with this Standard.

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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