

AS 3892—1995

Australian Standard[®]

Pressure equipment—Installation

This Australian Standard was prepared by Committee ME/1, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 7 April 1995 and published on 5 August 1995.

The following interests are represented on Committee ME/1:

A.C.T. Occupational Health and Safety Office
Aluminium Development Council, Australia
Australian Chamber of Commerce and Industry
Australian Institute of Energy
Australian Institute of Petroleum
Australian Institute of Pressure Equipment Engineers
Australian Liquefied Petroleum Gas Association
Boiler and Pressure Vessel Manufacturers Association of Australia
Bureau of Steel Manufacturers of Australia
Department for Industrial Affairs, S.S.
Department of Employment, Vocational Education, Training and Industrial Relations, Qld
Department of Labour, New Zealand
Department of Occupational Health, Safety and Welfare, W.A.
Electricity Corporation of New Zealand
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Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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PREFACE

This Standard was prepared by the Standards Australia Committee ME/1 on Pressure Equipment and supersedes AS 3892—1991. The Committee recognized there was a need to specify clear requirements and give further guidance to installers, purchasers, users, inspectors and statutory authorities on the installation of pressure equipment. Existing Standards on boilers give some guidance (but not consistent) for their safe installation, while pressure vessel Standards provide little information for their installation. This Standard provides the best data and offers the best experience currently available to the Committee, which includes representatives from regulatory authorities, manufacturers, users and installers.

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

This Standard consolidates, rationalizes and extends the present requirements and recommendations in AS 1210, *SAA Unfired Pressure Vessels Code*; AS 1228, *Boilers—Water-tube*; AS 1797, *Boilers—Fire-tube, shell and miscellaneous*; AS 2593, *Boilers—Unattended and limited attendance*; and associated Standards. It is part of a major program to restructure, unify and simplify the various Standards for particular types of equipment and components in accordance with AS/NZS 1200, *Pressure equipment*. AS/NZS 1200 is referred to in statutory regulations in Australia and covers requirements for land installations of boilers, pressure vessels, piping and associated matters.

Besides the unification of requirements for installation, the major features of the Standard are—

- (a) the provision of requirements for installation to ensure safety of pressure vessels as well as boilers; and
- (b) the recognition of the growing use of quality assurance systems (on a voluntary basis at this stage) for ensuring the quality of installations.

It provides the minimum installation requirements to ensure the initial and continued safe and reliable performance of the pressure plant. In many circumstances, additional requirements may be necessary for adequate performance or safety.

Users of this Standard are reminded that it has no legal authority in its own right, but may acquire legal standing if adopted by government or any other authority having jurisdiction, or if specified as part of a commercial contract.

It is envisaged that experience gained in the use of the Standard will highlight areas that need to be strengthened. It is intended that the Standard will be regularly reviewed and revised as necessary to ensure it remains a useful document to all parties concerned and provides a safe, reliable pressure plant.

During the preparation of this Standard, the Committee made reference to the following publications:

- (i) ASME, *Boiler and Pressure Vessel Code, Section VI—Recommended rules for the care and operation of heating boilers*.
- (ii) NZS 5351, *Code of practice for the installation, operation and maintenance of building services and small industrial boilers*.

Acknowledgment is made of the assistance obtained from these publications.

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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