

AS/NZS 3788:1996

Australian/New Zealand Standard®

**Pressure equipment—
In-service inspection**

AS/NZS 3788:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME/1, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 16 August 1996 and on behalf of the Council of Standards New Zealand on 29 July 1996. It was published on 5 October 1996.

The following interests are represented on Committee ME/1:

A.C.T. WorkCover
Aluminium Development Council, Australia
Australasian Corrosion Association
Australasian Institute of Engineering Inspection
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Institute of Energy
Australian Institute of Petroleum
Australian Liquefied Petroleum Gas Association
Boiler and Pressure Vessel Manufacturers Association of Australia
Bureau of Steel Manufacturers of Australia
Department for Industrial Affairs, S.A.
Department of Training and Industrial Relations, Qld
Department of Labour New Zealand
Electricity Corporation of New Zealand
Electricity Supply Association of Australia
Health and Safety Organisation, Vic.
Institute of Metals and Materials, Australasia
Institution of Engineers, Australia
Insurance Council of Australia
Metal Trades Industry Association of Australia
National Association of Testing Authorities, Australia
New Zealand Engineering Federation
New Zealand Heavy Engineering Research Association
New Zealand Petrochemical Users Group
New Zealand Timber Industry Federation
Welding Technology Institute of Australia
WorkCover Authority, N.S.W.
Workplace Standards Authority, Tas.
Work Health Authority, N.T.
WorkSafe, W.A.

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 95137.

Originated as AS 3788—1990. Revised and designated AS/NZS 3788:1996.

AS/NZS 3788:1996

Australian/New Zealand Standard®

**Pressure equipment—
In-service inspection**

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0701 7

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/1 on Pressure Equipment to supersede AS 3788—1990, *Boilers and pressure vessels—In-service inspection*.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as a Joint Australian/New Zealand Standard. Consensus means general agreement by all interested parties. Consensus includes an attempt to remove all objections and implies much more than the concept of a simple majority, but not necessarily unanimity. It is consistent with this meaning that a member may be included in the Committee list and yet not be in full agreement with all clauses of this Standard.

It was recognized there was a need to give guidance to users, inspectors and regulatory authorities on the inspection of in-service pressure equipment.

This Standard provides inspection requirements to ensure the continued safe operation of the pressure equipment. In special circumstances additional requirements may be necessary for adequate performance or safety. The material contained in this Standard will be a valuable aid in the training of inspectors.

Changes since the last edition include the following:

- (a) A complete general revision of the entire Standard.
- (b) Alignment with AS 3920.1, *Assurance of product quality, Part 1: Pressure equipment manufacture*, AS/NZS 1200, *Pressure equipment*, and the requirements of the WorkSafe National Standard for Plant.
- (c) Revision of the inspection periods in [Table 4.1](#).
- (d) Updating to current Standards Australia style.
- (e) Inclusion of Amendments 1 and 2.
- (f) Changes necessary for publication as a Joint Australian/New Zealand Standard.
- (g) Removal of regulatory requirements.
- (h) Inclusion of new Appendices to cover:
 - (i) Inspection of storage tanks to API 620 or equivalent.
 - (ii) Methodology for cost effective remaining life assessment.
 - (iii) Testing of pop action relief valves.
 - (iv) Inspection of drums for transport of liquefied gas.

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

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

AIP CP12—1985	Code of practice for inspection of boilers and unfired pressure vessels in process plants
API 510—1980	Pressure Vessel Inspection Code. Maintenance, inspection, rating, repair, and alteration
API	Guide to inspection of refinery equipment
ANSI/NB-23—1984	National Board Inspection Code
ROSPA—1975	Registration and periodic inspection of pressure vessels (Published by Imperial Chemical Industries Ltd)

Acknowledgment is made of the assistance obtained from these publications.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of 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.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

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
-