

Australian Standard™

Pressure equipment—Glossary of terms



S t a n d a r d s Australia

This Australian Standard was prepared by Committee ME-001, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 15 December 2000 and published on 6 March 2001.

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Australian Aluminium Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
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PREFACE

This Standard was prepared by the Joint Standard Australia/Standards New Zealand Committee ME-001, Pressure Equipment. The Committee recognized there was a need to consolidate the terms used in the Australian and Australian/New Zealand pressure equipment Standards.

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

This Standard contains technical definitions from the various pressure equipment-related Australian and Australian/New Zealand Standards. All extracted definitions have been sorted alphabetically, or where applicable, grouped under a common heading and cross-referenced. Where differing definitions of a particular term existed, the various definitions were either combined or have been shown. This has been done primarily to draw the attention of the various standards writing committees and users to the need for rationalization in definitions. Overall, there is some variety of technical definitions because they were written at different times, by different committees, and for different purposes.

Standards Australia/Standards New Zealand welcomes informed comment on the Standard from its users and, in line with general policy, all suggestions for modifications will be taken on notice to improve future editions.

This Standard will be subject to ongoing review. The capricious introduction of variations in definitions by technical committees is to be discouraged, and committees will be asked to simplify and rationalize definitions in new or revised Standards wherever possible.

Standards Australia has been aware for some time that better ‘standardization’ of technical terms and definitions is desirable. This Standard has several major objectives, being —

- (a) to assist the pressure equipment industry to find appropriate definitions for their work;
- (b) to unify, where possible, definitions across the pressure equipment Standards covered by AS/NZS 1200, *Pressure equipment*; and
- (c) to permit the identification of any gaps in terminology and technical definitions so that such gaps may be filled.

The Figures have been placed together at the end of the glossary.

A list of reference documents is presented in Appendix A.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

STANDARDS AUSTRALIA

Australian Standard

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Term	Definition
accessory	A component of a piping system, other than a pipe, or fitting, but including a relief device, pressure-containing item, pipe support and any other item necessary to make the piping operative.
accreditation	The procedure by which a nationally recognized body gives formal recognition that a body is competent to carry out specific tasks.
accreditation body	A body that conducts and administers an accreditation system and grants accreditation.
actual life	<i>See</i> life terms.
actual thickness	<i>See</i> thickness terms.
alter	To change the design of, add to or take away from the pressure equipment where the change may affect health or safety but does not include routine maintenance, repairs or replacements.
‘AS’	Followed by a designation means the current Australian Standard to which that designation relates as issued by Standards Australia.
assisted safety valve	A safety valve which, by means of a powered assistance mechanism, may be activated to lift at pressure below the unassisted set pressure and which, even in the event of failure of the assistance mechanism, complies with all the requirements for conventional safety valves.
average bursting pressure	The arithmetic average value of bursting pressure, at the coincident temperature, of the test bursts carried out on a batch of bursting discs.
backing run	The final run deposited on the root side of a single butt weld.
backpressure (bursting disc devices)	The static pressure existing at the outlet of a bursting disc device at the time the device is required to operate. It is the result of pressure in the discharge system from other sources or as a result of vacuum on the upstream side.
backpressure (built-up) (safety devices)	The pressure existing at the outlet of the safety valve caused by flow through the valve into a discharge system.
backpressure (superimposed)	The static pressure existing at the outlet of a safety valve at the time the device is required to operate. It is the result of pressure in the discharge system from other sources.
backpressure support	That component of a bursting disc assembly which prevents the failure of the disc due to backpressure differential. NOTE: A backpressure support which is intended to prevent the failure of the disc when the system pressure falls below atmospheric pressure is sometimes referred to as a vacuum support.
baffle plate (bursting disc devices)	A plate attached to vent side of a bursting disc device or system to redirect discharge or reduce recoil.