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AS 4041-1998 Pressure piping

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Abbreviation

AS 4041-1998

Amendment

AS 4041-1998/Amdt 1-2001

Valid from

05/07/1998

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies minimum requirements for the materials, design, fabrication, testing, inspection, reports and pre-commissioning of piping subject to internal pressure or external pressure or both.

Specific requirements are given for piping constructed of carbon, carbon-manganese, low alloy and high alloy steels, ductile and cast iron, as well as copper, aluminium, nickel, titanium and alloys of these materials.

General requirements and reference to Standards for non-metallic piping are included.

A method for Standard piping design without the need for calculations is given in Appendix T.

Scope

Piping complying with BS 806, ANSI/ASME B31.1, ANSI/ASME B31.3 and ANSI/ASME B31.5 are deemed to meet the requirements of this Standard.

This Standard applies specifically to pressure piping, i.e. piping which may present a significant risk of injury to people, property or the environment owing to hazards arising from:

- the effects of pressure, either as a result of internal pressure causing an explosion or projectile, or as a result of external pressure causing buckling and collapse;
- release of contents which are lethal, toxic, harmful to human tissue (e.g. hot, cold, corrosive) flammable, combustible or are

- otherwise hazardous; or
- release of contents which directly or indirectly result in injury or damage e.g. piping for pollutants, fire-fighting purposes or cooling purposes.

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Back

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