

AS 2788:2021



STANDARDS
Australia



Pneumatic fluid power — General rules and safety requirements for systems and their components (ISO 4414:2010, MOD)



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- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Institute for Non-Destructive Testing
- Better Regulation Division (Fair Trading, Safework NSW, Testsafe)
- Bureau of Steel Manufacturers of Australia
- Crane Industry Council of Australia
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- Elevating Work Platform Association of Australia
- Engineers Australia
- National Heavy Vehicle Regulator
- Office of Industrial Relations, Qld
- Transport for NSW
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Pneumatic fluid power — General rules and safety requirements for systems and their components (ISO 4414:2010, MOD)

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes., to supersede AS 2788:2002, *Dynamic fluid power — General requirements for systems (ISO 4414:1998, MOD)*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify general rules and safety requirements for pneumatic fluid power systems and components used on machinery as defined by AS/NZS 4024.1201.

This Standard deals with all significant hazards associated with pneumatic fluid power systems and specifies principles to apply in order to avoid those hazards when the systems are put to their intended use.

This Standard applies to the design, construction and modification of systems and their components, also taking into account the following aspects:

- (a) Assembly.
- (b) Installation.
- (c) Adjustment.
- (d) Uninterrupted system operation.
- (e) Ease and economy of maintenance and cleaning.
- (f) Reliable operation in all intended uses.
- (g) Energy efficiency.
- (h) Environment.

This Standard does not apply to air compressors and the systems associated with air distribution as typically in a factory, including gas bottles and receivers.

This Standard is an adoption with national modifications and has been reproduced from ISO 4414:2010, *Pneumatic fluid power — General rules and safety requirements for systems and their components*. The modifications are additional requirements and are set out in [Appendix ZZ](#), which has been added at the end of the source text.

[Appendix ZZ](#) lists the variations to ISO 4414:2010, for the application of this Standard in Australia.

As this Standard is reproduced from an International Standard, the following applies:

- (i) In the source text “this International Standard” should read “this Australian Standard”.
- (ii) A full point substitutes for a comma when referring to a decimal marker.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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