

Australian Standard™

Valves for compressed gas cylinders

Part 3: Outlet connections for medical gases (including pin-indexed yoke connections)

This Australian Standard was prepared by Committee ME-002, Gas Cylinders. It was approved on behalf of the Council of Standards Australia on 17 March 2004 and published on 30 April 2004.

The following are represented on Committee ME-002:

Air Conditioning and Refrigeration Wholesalers Association
Australasian Institute of Engineer Surveyors
Australian Chamber of Commerce and Industry
Australian Liquefied Petroleum Gas Association Ltd
Certification Bodies (Australia)
Department for Administrative and Information Services, S.A.
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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-002, Gas Cylinders to supersede AS 2472—1996, *Valves for medical gas cylinders (including pin-indexed outlet)*. 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 provide manufacturers of medical equipment, the medical gases industry and medical facilities with specifications for outlet connections for gas cylinders containing medical gases.

Dimensions for pin-indexed yoke connection in AS 2472—1996 and its earlier versions were taken from the metric range of BS 1319:1976, *Specification for medical gas cylinders, valves and yoke connections* (later replaced by EN 850), which in turn aligned closely with ISO 407, *Small medical gas cylinders—Pin-index yoke-type valve connections*. Both Standards were derived from earlier versions of CGA V-1:2002, *Compressed gas cylinder valve outlet and inlet connections*. However, all these Standards differ in minor but noticeable ways in the dimensions of the connections. Although connections made to each Standard are believed to be functionally interchangeable, users should be aware of the existence of differences.

This Standard maintains the general structure and much of the content of ISO 407, however, some changes have been made and considerable material has been added to accommodate existing Australian practice. However, cylinder valves complying with ISO 407 are functionally interchangeable with yoke connections made to this Standard and vice-versa. The figure numbers for the yoke outlet connections in this Standard are those in ISO 407 and users should be aware that they differ from those in AS 2472—1996.

Appendix A summarizes the correspondence between clauses in this Standard and ISO 407.

The titles of this Standard and ISO 407 both refer to outlet connections only, yet a number of associated requirements pertaining to other features of the valve itself are specified in both documents. The Committee intends to release other parts of AS 2473 dealing with valve specification, type testing and other features. A new Part 2 will supersede AS 2473—1996, which will be withdrawn. This Standard will be amended at that time.

It is important to note that users of existing equipment with connection to AS 2472—1996, Figure 14 will be required to change to the corresponding applicable connection from this Standard.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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