AS 4706—2001
Reconfirmed 2016

Australian Standard™

Pressure gauges for regulators used with compressed gas cylinders

Standards Australia

This Australian Standard was prepared by Committee ME-002, Gas Cylinders. It was approved on behalf of the Council of Standards Australia on 16 July 2001 and published on 12 September 2001.

The following interests are represented on Committee ME-002:

Airconditioning and Refrigeration Wholesalers Association

Australasian Institute of Engineer Surveyors

Australasian Railway Association

Australian Association of Certification Bodies

Australian Chamber of Commerce and Industry

The Australian Gas Association

Australian Industry Group

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This Standard was issued in draft form for comment as DR 00395.

STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 4706—2001
Pressure gauges for regulators used with compressed gas cylinders

RECONFIRMATION NOTICE

Technical Committee ME-002 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 21 July 2016.

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The Australian Gas Association
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NOTES

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PREFACE

This Standard was prepared by the Joint Standard Australia/Standards New Zealand Committee ME-002, Gas Cylinders, to standardize the requirements concerning pressure gauges for regulators used with compressed gas cylinders. This Standard is intended to cover the area of high pressure reading gauges that may be beyond the scope of AS 1349, *Bourdon tube pressure and vacuum gauges*.

This Standard was prepared by the Australian members of the Joint Standards Australia/New Zealand Committee ME-002. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

Acknowledgment is made to EN 562:1995, *Gas welding equipment—Pressure gauges used in welding, cutting and allied processes* and ISO 5171:1995, *Pressure gauges used in welding, cutting and allied processes* for information within this Standard. Any such information used may be modified to accommodate the differences between European and Australian conditions.

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.

Statements expressed in mandatory terms in notes to figures are deemed to be requirements of this Standard.

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Australian Standard

Pressure gauges for regulators used with compressed gas cylinders

1 SCOPE

This Standard specifies the requirements for pressure gauges intended for pressure regulators for use with industrial and medical compressed gas cylinders. Standards affecting these pressure regulators may impose additional requirements other than those given in this Standard.

Pressure gauges intended for fixed delivery pressure LP Gas regulators for domestic and recreational purposes are not covered by this Standard.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1722	Pipe threads of Withworth form
1722.1	Part 1: Sealing pipe threads
1722.2	Part 2: Fastening pipe threads
2472	Valves for medical gas cylinders (including pin-indexed outlet)
2473	Valves for compressed gas cylinders (threaded outlet)
3840	Pressure regulators for use with medical gases
3840.1	Part 1: Pressure regulators and pressure regulators with flow-metering devices
4267	Pressure regulators for use with industrial compressed gas cylinders
AS/NZS ISO	
9001	Quality management systems—Requirements
ISO	
497	Guide to the choice of series of preferred numbers and of series containing more rounded values of preferred numbers
4589	Plastics—Determination of burning behaviour by oxygen index
4589-2	Part 2: Ambient-temperature test
7000	Graphical symbols for use on equipment—Index and synopsis
9539	Materials for equipment used in gas welding, cutting and allied processes
10102	Assembly tools for screws and nuts—Double-headed open-ended engineer's wrenches
ANSI/ASME	
B1.20.1	Pipe threads, general purpose (inch)
EN	
837	Pressure gauges
837-1	Part 1: Bourdon tube pressure gauges—Dimensions, metrology, requirements and testing