

Australian/New Zealand Standard™

Respiratory protective devices



AS/NZS 1716:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-010, Occupational Respiratory Protection. It was approved on behalf of the Council of Standards Australia on 23 January 2012 and on behalf of the Council of Standards New Zealand on 24 January 2012.
This Standard was published on 13 February 2012.

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This Standard was issued in draft form for comment as DR AS/NZS 1716.

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Respiratory protective devices

Originated in Australia as AS Z18—1963.
Originated in New Zealand as part of NZS 1568:1961.
Previous edition AS/NZS 1716:2003.
Seventh edition 2012.

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Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 74342 024 9

PREFACE

This Standard was prepared by the Joint Australian/New Zealand Standards Committee SF-010, Occupational Respiratory Protection to supersede AS/NZS 1716:2003.

This Standard was revised with the objective of incorporating some improvements but keeping these to a minimum, in light of current work still under way by ISO (International Organization for Standardization) in the field of respiratory protective devices.

The changes that have been made are mostly editorial or to clarify and improve existing testing procedures for exhalation resistance as well as include specific requirements for full facepieces used in extreme environments by fire and emergency services (special use facepieces).

It is anticipated that a new series of ISO Standards will be published in the next few years that will incorporate major developments that will address most, if not all, concerns highlighted in the previous edition. When such ISO Standards are published, it is planned that they be adopted as the next revision of AS/NZS 1716.

Advice on the selection, use and maintenance of respiratory protective equipment is not covered by the Standard but given in AS/NZS 1715, *Selection, use and maintenance of respiratory protective equipment*.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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Respiratory protective devices
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for respiratory protective devices (respirators) intended to provide, according to type, varying degrees of protection against atmospheres containing substances which may be harmful if breathed; also, with certain types, to provide protection against atmospheres which may be deficient in oxygen. It does not purport to give guidance on the selection, use and maintenance of respirators. This is covered in AS/NZS 1715.

The Standard specifies requirements, performance and testing criteria to be observed in the manufacture of respirators.

The Standard does not apply to respirators for use in aircraft, for operations under water (see AS/NZS 2299 series), or for life support respirators used for medical purposes or resuscitation (see AS 2488).

1.2 OBJECTIVE

The objective of this Standard is to provide minimum performance and testing criteria to be observed in the manufacture of respiratory protective devices.

1.3 APPLICATION

Every respirator shall comply with the general requirements of Sections 2, 3 and 12, and with the specific requirements of the particular section applicable to the respirator type, as follows:

Particulate filter respirators.....	Section 4.
Gas and vapour filter respirators	Section 5.
Powered air-purifying respirators.....	Section 6.
Escape respirators—filtration type	Section 7.
Air-hose and air-line respirators.....	Section 8.
Compressed air self-contained breathing apparatus	Section 9.
Compressed oxygen self-contained breathing apparatus	Section 10.
Chemical oxygen self-contained self-rescuers	Section 11.

1.4 REFERENCED DOCUMENTS

AS	
1349	Bourdon tube pressure and vacuum gauges
2030	Gas cylinders (series)
2488	Resuscitators intended for use with humans
4484	Gas cylinders for industrial, scientific, medical and refrigerant use—Labelling and colour coding

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