

- [Home](#) Home
- [About this portal](#)
- [Latest updates](#)

Print

Save

Email

[Resource detail](#)
[Citations](#)

NZS 4303:1990 Ventilation for acceptable indoor air quality

Table of Contents

[View on Information Provider website](#)
[Download this resource \(PDF, 5.3MB\)](#)

{{ linkText }}

Abbreviation
NZS 4303:1990
Valid from
13/09/1990

Information provider
Standards New Zealand
Author
Standards New Zealand
Information type
New Zealand Standard
Format
PDF

Cited By
[This resource is cited by 8 documents \(show Citations\)](#)
Cites
[This resource cites 22 documents \(show Citations\)](#)

Description

This Standard specifies the minimum ventilation rates and indoor air quality that will be acceptable to human occupants and are intended to avoid adverse health effects. This Standard applies to all indoor or enclosed spaces that people may occupy, except where other applicable standards and requirements dictate larger amounts of ventilation than this Standard.

Scope

Release of moisture in residential kitchens, bathrooms, locker rooms, and swimming pools is included in the scope of this Standard. Based on but not equivalent to ASHRAE 62:1989.

For assistance with locating previous versions, please contact the information provider.

Table of Contents

[View on Information Provider website](#)
[Download this resource \(PDF, 5.3MB\)](#)

{{ linkText }}

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

NZS 4303:1990 Ventilation for acceptable indoor air quality

This document is CITED BY:

- [G4/AS1 \(Third Edition, Amendment 4\)](#)

NZS 4303:1990 is cited by Acceptable Solution G4/AS1: Ventilation from 01/11/2008

- [G4/AS1 \(Third Edition \(unamended\)\)](#)

NZS 4303:1990 is cited by Acceptable Solution G4/AS1: Ventilation from 01/11/2008

- [G4/AS1 \(Third Edition, Amendment 3\)](#)

NZS 4303:1990 is cited by Acceptable Solution G4/AS1: Ventilation from 01/11/2008

- [G4/AS1 \(Fourth Edition\)](#)

NZS 4303:1990 is cited by Acceptable Solution G4/AS1: Ventilation from 01/11/2008

- [G4/AS1 \(Third Edition, Amendment 2\)](#)

NZS 4303:1990 is cited by Acceptable Solution G4/AS1: Ventilation from 01/11/2008

- [AS/NZS 3666.1:2011](#)

NZS 4303:1990 is cited by AS/NZS 3666.1:2011 Air-handling and water systems of buildings - Microbial Control - Design, installation and commissioning

- [NZS 4218:2009](#)

NZS 4303:1990 is cited by NZS 4218:2009 Thermal insulation - Housing and small buildings

- [NZS 4243.1:2007](#)

NZS 4303:1990 is cited by NZS 4243.1:2007 Energy efficiency - Large buildings - Building thermal envelope

Back

NZS 4303:1990 Ventilation for acceptable indoor air quality

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard specifies the minimum ventilation rates and indoor air quality that will be acceptable to human occupants and are intended to avoid adverse health effects. This Standard applies to all indoor or enclosed spaces that people may occupy, except where other applicable standards and requirements dictate larger amounts of ventilation than this Standard.

[View on Information Provider website](#) [Download this resource \(PDF, 5.3MB\)](#)

[NZS 4303:1990 Ventilation for acceptable indoor air quality](#)

Description

This Standard specifies the minimum ventilation rates and indoor air quality that will be acceptable to human occupants and are intended to avoid adverse health effects. This Standard applies to all indoor or enclosed spaces that people may occupy, except where other applicable standards and requirements dictate larger amounts of ventilation than this Standard.

This resource cites:

NZS 4303:1990 Ventilation for acceptable indoor air quality

This document CITES:

Other

- SMACNA Duct Construction Standards. (a link to this resource is not available)
- SMACNA 1979 Fibrous Glass Duct Construction. (a link to this resource is not available)
- Subjective response to ventilation, Janssen, J.E., and A. Wolff, 1986. (a link to this resource is not available)
- Indoor air quality and CO2 levels, Raijhs, G.S. 1983. (a link to this resource is not available)
- Indoor air quality in office buildings. Bell, S.J. and B. Khali, 1983. (a link to this resource is not available)
- Quality of air in air conditioning. Kowalczewski, J.J., 1973. (a link to this resource is not available)
- [40 CFR Part 50 - NATIONAL PRIMARY AND SECONDARY AMBIENT AIR QUALITY STANDARDS](#)

NZS 4303:1990 cites 40 CFR Part 50 - NATIONAL PRIMARY AND SECONDARY AMBIENT AIR QUALITY STANDARDS

- [ACGIH 2094 INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE](#)

NZS 4303:1990 cites ACGIH 2094 INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE

- [ACGIH\(R\)](#)

NZS 4303:1990 cites Documentation of the Threshold Limit Values and Biological Exposure Indices, 7th Ed.

- [ASHRAE 52:1968 \(R1976\)](#)

NZS 4303:1990 cites ASHRAE 52:1968 (R1976) Method Of Testing Air Cleaning Devices Used In General Ventilation For Removing Particulate Matter

- [ASHRAE 55-1992 Thermal Environmental Conditions for Human Occupancy \(ANSI approved\)](#)

NZS 4303:1990 cites ASHRAE Standard 55-1992 Thermal Environmental Conditions for Human Occupancy (ANSI approved)

- [ASHRAE handbook. Equipment / ASHRAE 1983-1988](#)

NZS 4303:1990 cites ASHRAE handbook. Equipment / ASHRAE 1983-1988

- [ASHRAE Transactions, Volume 89, Issue 2, Part 2](#)

NZS 4303:1990 cites ASHRAE Transactions, Volume 89, Issue 2, Part 2 Air quality in buildings during smoking and non-smoking occupancy

- [MIL-STD-282](#)

NZS 4303:1990 cites MIL-STD-282 FILTER UNITS, PROTECTIVE CLOTHING, GAS-MASK COMPONENTS AND RELATED PRODUCTS: PERFORMANCE-TEST METHODS

- [NFPA 90A \(1978\)](#)

NZS 4303:1990 cites NFPA 90A STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS

- [NFPA 90B \(1980\)](#)

NZS 4303:1990 cites NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS

- [NIOSH Manual of Analytical Methods](#)

NZS 4303:1990 cites NIOSH Manual of Analytical Methods (third edition) - Volume 1 and 2 (1 set)

- [NIOSH manual of sampling data sheets - 1977 edition](#)

NZS 4303:1990 cites NIOSH manual of sampling data sheets - 1977 edition

- [Tight building syndrome: when work makes you sick](#)

NZS 4303:1990 cites Tight building syndrome: when work makes you sick

- [Tobacco Smoke Dilution Recommendations for Comfortable Ventilation](#)

NZS 4303:1990 cites Tobacco Smoke Dilution Recommendations for Comfortable Ventilation

- [UL 181 \(1984\)](#)

NZS 4303:1990 cites UL 181 FACTORY-MADE AIR DUCTS AND AIR CONNECTORS

- [Ventilation requirements for the control of body odor in spaces occupied by women](#)

NZS 4303:1990 cites Ventilation requirements for the control of body odor in spaces occupied by women

Back

Close

Table of Contents

1 Purpose

2 Scope

3 Definitions

4 Classification

5 Systems and Equipment

6 Procedures

7 References

Appendices A-H

Nzs 4304 :2002

1 Scope And Objectives

1.1 Scope

1.2 Objectives

1.3 Interpretation

2 Definitions

3 Categorization Of Healthcare Waste

3.1 Healthcare Waste

3.2 Hazardous Waste

3.3 Non-Sharps Hazardous Waste

3.4 Controlled Waste

3.5 Non-Hazardous Waste

4 Waste Generators' Responsibilities

4.1 General

4.2 Generators' Responsibilities

4.3 Waste Management Policy

4.4 Body Parts Policy

4.5 Waste Segregation

4.6 Containers And Packaging

5 Healthcare Waste Storage

5.1 General

5.2 Storage Of Hazardous And Controlled Waste

5.3 Design Of Waste Holding And Storage Areas

5.4 Disposal Of Cleaning Water

6 Transporters' Responsibilities

6.1 Transporters' Responsibilities

6.2 Vehicle Requirements

6.3 Waste Tracking

7 Waste Treatment And Disposal

7.1 General

7.2 Responsibilities

7.3 Pre-Treatment Of Hazardous Waste

7.4 Waste Compaction

7.5 Sterilization

7.6 Acceptable Methods Of Waste Treatment/Disposal

7.7 Incineration

7.8 Disposal To Landfill

7.9 Disposal To Sewer

8 Waste Handling

8.1 Waste Handler Protection

9 Emergency Preparedness

9.1 General

9.2 Development Of An Emergency Waste Management Plan

9.3 Testing Emergency Preparedness

10 Training

10.1 General

10.2 Training Objectives

10.3 Training Programme

10.4 Record Keeping

Appendix

A Examples Of Controlled Waste (Suitable For Disposal At A Sanitary Landfill)

B Classification Of Dangerous Goods

C Infectious Substances Risk Groups

D Standard Precautions

E Example Of A Dangerous Goods Declaration

Bibliography

Table

1 – Identification Of Waste

Feedback