AS 1668.2—1991

Australian Standard®

The use of mechanical ventilation and air-conditioning in buildings

Part 2: Mechanical ventilation for acceptable indoor-air quality

This Australian standard was prepared by Committee ME/62, Mechanical Ventilation and Air Conditioning. It was approved on behalf of the Council of Standards Australia on 3 October 1990 and published on 4 March 1991.

The following interests are represented on Committee ME/62:

Association of Consulting Engineers, Australia
Australian Assembly of Fire Authorities
Australian Institute of Health Surveyors
Australian Institute of Refrigeration Air Conditioning and Heating
Australian Uniform Building Regulations Coordinating Council
Building Owners and Managers Association of Australia
Confederation of Australian Industry
Council of Air Conditioning and Mechanical Contractors Associations of Australia
Department of Administration Services, Australian Construction Services
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Part 2: Mechanical ventilation for acceptable indoor-air quality

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PREFACE

This Standard was prepared by the Standards Australia Committee on Mechanical Ventilation and Air-conditioning to supersede AS 1668 – 1980, *SAA Mechanical Ventilation and Air-conditioning Code*, Part 2: *Ventilation requirements*.

The main technical changes are as follows:

(a) Outdoor airflow rates are increased for most enclosures.

(b) Reduction in outdoor airflow rates is permitted where the return air is treated for particulate and gaseous contaminants.

(c) Ventilation system 'Lead-time' and 'Lag-time' concepts are introduced.

(d) New equations are used for calculation of total airflow rates in carparks.

(e) Supply ventilation is permitted for carparks.

(f) Alternative carpark ventilation system controlled by atmospheric contaminant concentration monitoring is described.

Editorially, consideration has been given to the incorporation of the Standard in building regulations.

In the preparation of this Standard, consideration was given to the relevant Standards published by the American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE) for contribution to Appendices G and J, and the American Conference of Governmental Industrial Hygienists, and acknowledgement is made of the assistance received therefrom.

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