

Australian Standard™

**Air filters for use in general ventilation
and airconditioning**

**Part 1: Application, performance and
construction**



This Australian Standard was prepared by Committee ME-080, Air Filters. It was approved on behalf of the Council of Standards Australia on 26 October 2001 and published on 12 December 2001.

The following interests are represented on Committee ME-080:

Air-Conditioning and Refrigeration Equipment Manufacturers Association of Australia
Australian Chamber of Manufacturers
Australian Contamination Control Society
Australian Institute of Hotel Engineering
Australian Institute of Refrigeration Air Conditioning and Heating
CSIRO—Division of Animal Health
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Air filters for use in general ventilation and airconditioning

Part 1: Application, performance and construction

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PREFACE

This Standard was prepared by Standards Australia Committee ME-080, Air Filters, to supersede AS 1324.1—1996.

This Standard forms Part 1 of a two-part series of Standards, which addresses general air filters. Part 2 of the series covers the methods of test for such air filters.

The classification system given in this Standard has been generally adopted from EN 779, *Particulate air filters for general ventilation—Requirements, testing, marking*.

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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STANDARDS AUSTRALIA

Australian Standard

Air filters for use in general ventilation and airconditioning

Part 1: Application, performance and construction

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for the performance and construction of air filters for use in general ventilation and airconditioning systems. It classifies air filters on the basis of design, construction, performance and application, and establishes minimum criteria for acceptance of an air filter into a particular category.

NOTES:

- 1 HEPA filters are specified in AS 4260.
- 2 Alternative means for demonstrating compliance with this Standard are given in Appendix A.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1199	Sampling procedures and tables for inspection by attributes
1324	Air filters for use in general ventilation and airconditioning
1324.2	Part 2: Methods of test
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
4260	High efficiency particulate air (HEPA) filters—Classification, construction and performance
AS/NZS	
1668	The use of ventilation and airconditioning in buildings
1668.1	Part 1: Fire and smoke control
ISO 9001	Quality management systems—Requirements
ISO 9004	Quality management systems—Guidelines for performance requirements
SAI	
HB18	Guidelines for third-party certification and accreditation
HB18.28	Guide 28—General rules for a model third-party certification scheme for products
EN	
779	Particulate air filters for general ventilation—Requirements, testing, marking
ANSI	
ASHRAE 52	Gravimetric and dust-spot procedures for testing air-cleaning devices used in general ventilation for removing particulate matter



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