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Australian Standard 1132

PART 9 OF AS 1132
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AS 4260.1&2(INT)-1994

METHODS OF TEST FOR AIR FILTERS FOR USE IN AIR CONDITIONING AND GENERAL VENTILATION

First Group: Methods 1, 2, 3, 4, 5, 6, 7, 8, 9

METRIC UNITS

STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations are officially represented on the committee entrusted with the preparation of these standard methods:

Air Filter Association of Australia

Associated Chambers of Manufactures of Australia

Australian Institute of Refrigeration, Air Conditioning and Heating

Australian Medical Association

Commonwealth Department of Works

Companies and Consultants specializing in equipment and design for controlled environments

Department of Defence

Department of Public Works, N.S.W.

Hospitals Commissions

National Association of Testing Authorities, Australia

National Biological Standards Laboratories

National Council of Chemical and Pharmaceutical Industries

Royal Australian Institute of Architects

University of Melbourne

This standard is under continuous preparation by Committee MS/28, Controlled Environments, and methods are being progressively approved for publication.

To keep abreast of progress in industry, Australian standards are subject to regular review. Suggestions for improvement, addressed to the head office of the Association, are welcomed.

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AUSTRALIAN STANDARD METHODS OF TEST

AIR FILTERS
FOR USE IN AIR CONDITIONING AND GENERAL VENTILATION

AS 1132.1 — 1973	Apparatus, Materials, Reagents and Test Samples Prerequisite and Common to Methods Constituting an Evaluation
AS 1132.2 — 1973	Method for Initial Resistance
AS 1132.3 — 1973	Method for Oil Carry-over
AS 1132.4 — 1973	Method for Arrestance Efficiency, Average Arrestance Efficiency, Dust-holding Capacity, and Dust-holding Capacity per Unit of Effective Face Area for Test Dust No 4
AS 1132.5 — 1973	Method for Arrestance Efficiency, Average Arrestance Efficiency, Dust-holding Capacity, and Dust-holding Capacity per Unit of Effective Face Area for Test Dusts Nos 1, 2 and 3
AS 1132.6 — 1973	Method for Dynamic Arrestance Efficiency (Mounting Resistance), Dynamic Arrestance Efficiency (Steady State), and Dynamic Dust-holding Capacity of Self-renewable (Class D) Fresh Medium (Kind I) Filters
AS 1132.7 — 1973	Method for Dynamic Arrestance Efficiency (Mounting Resistance) and Dynamic Arrestance Efficiency (Steady State) of Self-renewable (Class D) Reconditioned Medium (Kind II) Filters
AS 1132.8 — 1973	Method for Effectiveness of Renewing Mechanism of Filters Incorporating Restoration to Original Condition
AS 1132.9 — 1973	Method for Local Area Flaws and Pinhole Leaks

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PREFACE

The development of this series of standard methods was undertaken by the Association's Committee for Controlled Environments in consequence of work being carried out on clean rooms and work stations.

A vital component of such installations is the air filtering system and methods of test are required to serve the specifications needed for the air filters, e.g. AS 1324, Air Filters for Use in Air Conditioning and General Ventilation. Advanced drafts of such methods had been prepared by the Air Filter Association of Australia who had taken cognizance of publications of the British Standards Institution, the American Society of Heating, Refrigeration and Air-Conditioning Engineers, and the American Association for Contamination Control. Acknowledgment is made to these organizations and to the UK Atomic Energy Authority and Her Majesty's Stationery Office for the assistance obtained from their documents, including the right to reproduce from BS 2831 : 1971 Crown Copyright drawings included therein.

The methods have been arranged in the order in which determinations are normally carried out for reasons of economy, and it is intended that when stipulated in a specification the methods shall form part of that specification and shall be subject to any qualifications or modifications so specified.

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LIST OF METHODS

No of Method	Date	Title
1132.1	September 1973	Apparatus, Materials, Reagents and Test Samples Prerequisite and Common to Methods Constituting an Evaluation
1132.2	September 1973	Initial Resistance
1132.3	September 1973	Oil Carry-over
1132.4	September 1973	Arrestance Efficiency, Average Arrestance Efficiency, Dust-holding Capacity and Dust-holding Capacity per Unit of Effective Face Area for Test Dust No 4
1132.5	September 1973	Arrestance Efficiency, Average Arrestance Efficiency, Dust-holding Capacity and Dust-holding Capacity per Unit of Effective Face Area for Test Dusts Nos 1, 2 and 3
1132.6	September 1973	Dynamic Arrestance Efficiency (Mounting Resistance), Dynamic Arrestance Efficiency (Steady State), and Dynamic Dust-holding Capacity of Self-renewable (Class D) Fresh Medium (Kind I) Filters
1132.7	September 1973	Dynamic Arrestance Efficiency (Mounting Resistance) and Dynamic Arresance Efficiency (Steady State) of Self-renewable (Class D) Reconditioned Medium (Kind II) Filters
1132.8	September 1973	Effectiveness of Renewing Mechanism of Filters Incorporating Restoration to Original Condition
1132.9	September 1973	Local Area Flaws and Pinhole Leaks

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