

Australian/New Zealand Standard[®]

**Water supply—Domestic type
water treatment appliances—
Performance requirements**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS/27, Domestic Water Treatment Appliances. It was approved on behalf of the Council of Standards Australia on 11 August 1995 and on behalf of the Council of Standards New Zealand on 3 August 1995. It was published on 5 December 1995.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/27 on Domestic Water Treatment Appliances. This Standard specifies objectives and suitable tests for microbiological treatment, chemical reduction, mechanical filtration and chlorine reduction on filter cartridges and similar filter systems.

For construction, installation and structural integrity of these appliances see AS 3497, *Authorization requirements for plumbing products—Domestic type water treatment appliances*.

The objective of this Standard is to provide performance requirements and suitable type tests for testing laboratories.

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.

Support and contribution is acknowledged from National Sanitation Foundation (NSF) Ann Arbor, Michigan, USA.

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CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	4
1.5 DESIGN AND PRIMARY FUNCTIONS	6
1.6 MARKING	6
SECTION 2 MICROBIOLOGICAL TREATMENT	
2.1 GENERAL	7
2.2 PERFORMANCE REQUIREMENTS	7
SECTION 3 CHEMICAL REDUCTION PROFICIENCY OF POU, POE AND STAND-ALONE APPLIANCES	
3.1 GENERAL	8
3.2 PERFORMANCE REQUIREMENTS	8
SECTION 4 MECHANICAL FILTRATION	
4.1 GENERAL	8
4.2 PARTICULATE REDUCTION CLAIM	8
4.3 CYST REMOVAL	8
4.4 TURBIDITY REDUCTION (ORGANIC AND INORGANIC SOLIDS)	8
4.5 FIBRE REDUCTION	8
4.6 MECHANICAL FILTRATION	8
SECTION 5 ODOUR TREATMENT	
5.1 GENERAL	9
5.2 TASTE, ODOUR AND CHLORINE REDUCTION	9
APPENDICES	
A MICROBIOLOGICAL TEST	10
B CHEMICAL REDUCTION AND FILTER LIFE TEST	21
C MECHANICAL FILTRATION TEST	26
D ODOUR AND CHLORINE REDUCTION TESTS	30
E FILTER SYSTEM REQUIREMENTS	33

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies objectives for the testing of appliances for chemical reduction, microbiological treatment, and odour and chlorine reduction.

NOTE: All references to appliances or water treatment appliances are for domestic type applications.

1.2 APPLICATION

1.2.1 Water treatment appliances Water treatment appliances shall comply with this Section and Sections 2 to 5 as follows:

- (a) Section 2 Chemical reduction.
- (b) Section 3 Microbiological treatment.
- (c) Section 4 Mechanical filtration.
- (d) Section 5 Odour treatment.

1.2.2 Alternative Testing Test results from other internationally recognized bodies shall be considered, where the manufacturer or reseller can demonstrate that the product has been tested in accordance with this Standard.

1.3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 2031 Selection of containers and preservation of water samples for chemical and microbiological analysis
- 2031.2 Part 2: Microbiological
- 3500 National Plumbing and Drainage Code
- 3500.1 Part 1: Water supply
- 3855 Suitability of plumbing and water distribution systems products for contact with potable water
- 4276 Water microbiology
- 4276.3.1 Part 3.1: Pour plate method using plate count agar

AS/NZS

- 3500 National Plumbing and Drainage Code
- 3500.0 Part 0: Glossary of terms

1.4 DEFINITIONS For the purpose of this Standard the definitions given in AS/NZS 3500.0 and those below apply.

1.4.1 Appliance—a device or piece of equipment which includes associated pipework and valves as supplied, viz. a total system.



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