# Australian/New Zealand Standard<sup>™</sup>

Drinking water treatment units— Plumbing requirements





#### AS/NZS 3497:1998

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 13 February 1998 and on behalf of the Council of Standards New Zealand on 1 May 1998. It was published on 5 July 1998.

The following interests are represented on Committee WS/27:

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Australian Association of Certification Bodies

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# Australian/New Zealand Standard<sup>™</sup>

## Drinking water treatment units— Plumbing requirements

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#### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/27, Domestic Water Treatment Appliances to supersede AS 3497—1994, Authorization requirements for plumbing products—Domestic type water treatment appliances.

The objective of this Standard is to provide manufacturers with minimum plumbing requirements for installation, design and test procedures for drinking water treatment units. Test results of relevant Standards from NSF or other internationally recognized bodies will be accepted.

This Standard incorporates Amendment No. 1 (February 2001). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the Clause, note, table, figure or part thereof affected.

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 the National Sanitation Foundation (NSF) Ann Arbor, Michigan, USA.

Page

#### CONTENTS

	SECTIC	IN 1 SCOPE AND GENERAL
	1.1	SCOPE
	1.2	APPLICATION
	1.3	REFERENCED DOCUMENTS
	1.4	DEFINITIONS
A1	SECTIC	N 2 INSTALLATION, MARKING AND LABELLING
	2.1	INSTALLATION INSTRUCTIONS
	2.1	OPERATION AND MAINTENANCE INSTRUCTIONS
	2.3	MARKING REQUIREMENTS
A1	2.4	PERFORMANCE DATA SHEET
	2.5	LABELLING
		N 3 MATERIALS
	3.1	GENERAL
	3.2	CONTAMINATION OF WATER12
	3.3	METALLIC MATERIALS
	3.4	PLASTIC MATERIALS
	SECTIC	ON 4 COMMON DESIGN
	4.1	GENERAL
	4.2	DESIGN
	4.3	WORKING PRESSURE/TEMPERATURE
	4.4	PERFORMANCE INDICATION
	4.5	CONSUMABLES (see Clause 1.4.5)
	4.6	FLOW CONTROL
	4.7	CONNECTIONS
	4.8	BACKFLOW PREVENTION
	4.9	POSITIVE SEAL 15
	4.10	PRESSURE CONTROL VALVE
	4.11	DISPENSING OUTLETS
	SECTION 5 TESTS	
		GENERAL 16
	5.2	
	5.3	ENDURANCE TEST
	5.4	BURST PRESSURE16
	5.5	STRUCTURAL INTEGRITY (Pressure vessels above 203 mm diameter)16
	5.6	COMPONENT TESTS17
A1	anamia	
	SECTIC	N 6 RECOGNITION OF ANSI/NSF STANDARDS
	APPENDICES	
	AFFEN	PERFORMANCE DATA
		PLASTIC MATERIALS USED FOR COMPONENTS OF WATER TREATMENT
	В	APPLIANCES
A1	С	LABELLING TABLE FOR PACKAGING DOCUMENTATION
	C	ENDLEENNG TADLE FOR TACKAOING DOCUMENTATION

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### Australian/New Zealand Standard Drinking water treatment units—Plumbing requirements

SECTION 1 SCOPE AND GENERAL

#### 1.1 SCOPE

This Standard specifies requirements for the construction, installation and testing of drinking-water treatment units and equipment, or appliances, or both, designed for domestic type applications under Australian and New Zealand climatic conditions, but does not preclude the use for commercial or industrial applications. These appliances are designed to be used for the reduction of specific groups of contaminants from a drinking water supply (public or private), such contaminants being specified by the manufacturer or reseller of the appliances. The Standard establishes minimum requirements for point of use (POU), point of entry (POE) and stand-alone appliances.

NOTES:

- 1 All these processes may include mechanical filtration or the reduction or treatment of microbiological, chemical (organic) or chemical (inorganic) including taste, odour and colour contaminants. Appliances may be effective in controlling one or more of the contaminants in combination, but it is not a requirement that they control all contaminants as part of a total process.
- 2 All references to appliances or water treatment appliances are for domestic type applications.
- 3 Appliances should be installed and serviced according to the manufacturer's or the reseller's instructions.

#### **1.2 APPLICATION**

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

- (a) Section 2 Installation and marking.
- (b) Section 3 Materials.
- (c) Section 4 Common design.
- (d) Section 5 Tests

#### **1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS

- 1210 Pressure vessels
- 1874 Aluminium and aluminium alloys Ingots and castings
- 2345 Dezincification resistance of copper alloys
- 2837 Wrought alloy steels Stainless steel bars and semi-finished products



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