

AS/NZS 6400:2005
(Incorporating Amendment Nos 1, 2, 3, 4, 5 and 6)

AS/NZS 6400:2005

Australian/New Zealand Standard™

**Water efficient products—Rating and
labelling**



AS/NZS 6400:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-032, Water Efficient Appliances. It was approved on behalf of the Council of Standards Australia on 14 April 2005 and on behalf of the Council of Standards New Zealand on 22 April 2005.
This Standard was published on 1 June 2005.

The following are represented on Committee WS-032:

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Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Building Research Association of New Zealand Inc
Consumer Electronics Suppliers Association
Consumers' Federation of Australia
CSIRO Manufacturing & Infrastructure Technology
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This Standard was issued in draft form for comment as DR 04439.

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Originated as MP 64—1992.
Second edition 1995.
Jointly revised and redesignated as AS/NZS 6400:2003.
Fourth edition AS/NZS 6400:2005.
Reissued incorporating Amendment No. 1 (May 2006).
Reissued incorporating Amendment No. 2 (August 2006).
Reissued incorporating Amendment No. 3 (December 2006).
Reissued incorporating Amendment No. 4 (June 2010).
Reissued incorporating Amendment No. 5 (June 2011).
Reissued incorporating Amendment No. 6 (July 2013).

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Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 0 7337 6717 6

FOREWORD

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-032, Water Efficient Products to supersede AS/NZS 6400:2003.

This Standard incorporates Amendment No. 1 (May 2006), Amendment No. 2 (August 2006), Amendment No. 3 (December 2006), Amendment No. 4 (June 2010) Amendment No. 5 (June 2011), and Amendment No. 6 (July 2013). 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.

This Standard forms a basis for the rating and labelling of a range of products under the mandatory Water Efficiency Labelling and Standards (WELS) Scheme, as required by the Australian Water Efficiency Labelling and Standards Act 2005 (the WELS Act). Throughout this Standard the requirements and dates that relate to the implementation of the WELS scheme apply in Australia only. For New Zealand, the requirements and implementation date will be addressed by a future amendment to this Standard.

The objectives of the WELS scheme are to encourage the development and marketing of water efficient products and enable consumers to clearly identify and purchase water efficient products.

All products specified under the WELS Act must be registered, rated and labelled according to the requirements of this Standard. All registrations are to be made through the WELS Regulator. The specified products are washing machines, dishwashers, lavatory equipment, showers, tap equipment and urinal equipment. Flow controllers may be voluntarily rated and labelled; however, if flow controllers are registered, rated and labelled, they are required to comply with all the relevant aspects of this Standard. Lavatory equipment is also required to comply with minimum water efficiency requirements set out in this Standard. This Standard also requires that products that do not comply with specific performance requirements will be given a zero rating and labelled accordingly or, in the case of lavatory equipment (see Clause 2.4.1), no label will be issued.

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The main changes in this Edition include the following:

- a) Clarification of cross-referencing of performance requirements of supporting product Standards.
- b) Revision of the ratings for lavatory equipment.
- c) Revision of the format for registration forms.
- d) Better articulation of the labelling requirements for plumbing products.
- e) Clarification of the term offer for retail sale, when the scheme commenced and when product registrations are to occur.

This Edition is published noting that further development of this Standard will continue. For instance, additional work is required to ensure that, in future, the performance test for showers includes a force of spray test, especially for the higher star ratings (i.e., for showers with low or very low flow rates).

This Standard is organized into 4 sections (for example, Section 1 is 'Scope and general'). Some sections are divided into clauses and further divided into subclauses (for example, Clause 2.1 contains Subclauses 2.1.1 to 2.1.6). Subclauses may be further divided into paragraphs.

The terms 'normative' and 'informative' have been used in this Standard to indicate 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.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Water efficient products—Rating and labelling

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the rating of products for water efficiency, and includes the associated registration, labelling and, where applicable, minimum performance requirements.

This Standard applies to the following products as detailed in Section 2:

- (a) Showers
- (b) Dishwashers
- A5 (c) Clothes washing machines, including the washing function of combination washer/dryers.
- (d) Lavatory equipment
- (e) Urinal equipment
- (f) Tap equipment
- (g) Flow controllers
- A5 (h) The dryer function of combination washer/dryers.

1.2 NORMATIVE REFERENCES

The following documents are referred to in this Standard:

AS 1172.1—2005, *Water closets (WC), Part 1: Pans*

A3 AS 1172.2—1999, *Water closet (WC) pans of 6/3 L capacity or proven equivalent, Part 2: Cisterns*

AS 5200.000—2006, *Technical specification for plumbing and drainage products, Part 000: Procedures for certification of plumbing and drainage products*

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A6 AS 5200.037.2—2008, *Plumbing and drainage products, Part 037.2: Flow controllers for use with heated or cold water systems*

A4 AS/NZS 2007.1:2005, *Performance of household electrical appliances—Dishwashers, Part 1: Methods for measuring performance, energy and water consumption*

A4 AS/NZS 2007.2:2005, *Performance of household electrical appliances—Dishwashers, Part 2: Energy labelling requirements*

A4 AS/NZS 2040.1:2005, *Performance of household electrical appliances—Clothes washing machines, Part 1: Methods for measuring the performance, energy and water consumption*

A5 AS/NZS 2040.2:2005, *Performance of household electrical appliances—Clothes washing machines, Part 2: Energy labelling requirements*