

Australian/New Zealand Standard™

**Water efficient products—Rating and
labelling**

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 13 December 2002 and on behalf of the Council of Standards New Zealand on 13 December 2002.
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The following are represented on Committee WS-032:

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CSIRO
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Environmental Protection Agency (Qld)
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AS/NZS 6400:2003
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Water efficient products—Rating and labelling

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PREFACE

This Standard was prepared by the joint Standards Australian/Standards New Zealand Committee WS-032, Water Efficient Products, to supersede MP 64—1995, *Manual of assessment procedure for water efficient appliances*.

This Standard incorporates Amendment No. 1 (July 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause affected.

The objective of this Standard is to specify the procedure for water efficient products that are intended for connection to water supplies, to be appropriately rated relative to specified criteria.

This edition includes an upgrading of the rating system from a maximum of 3A to 5A. The upgrade was considered essential not only to allow for a clearer differentiation between similar products but also to encourage further improvement in water efficiency of water-using products so as to make an even greater contribution to conservation of water. This edition also sets out the assessment procedure and certification conditions in greater detail, as well as adds flow regulators as an additional product (to the original six products) that can be rated and certified under the requirements of this Standard. Further, it extends the period of certification to five years. The increased period of certification aligns the scheme associated with this Standard with that of the mandatory energy consumption labelling scheme for products such as dishwashers and clothes washers.

This edition is released with the objective that further development of the Standard will continue. For instance, additional work is required to ensure that the performance tests for shower heads result in a comfortable and effective shower at the reduced flow rates of the new higher ratings. For this reason the 4A and 5A ratings for some products (see the footnote to Table 7.1) will not be available for certification. In the case of clothes washers since the performance Standard AS/NZ 2040.1 does not currently include a rinse test, work is continuing in the development of a suitable test that will establish that clothes have been effectively rinsed and that the product is fit for purpose. Also, research into the appropriate and acceptable flow rates for bubblers (water fountains) is currently being conducted, which, when completed, will be incorporated into the requirements for taps. It is anticipated that additional product specifications (e.g., for evaporative coolers and irrigation systems) will be developed and these will be considered for inclusion into this Standard.

To minimize the effect on products already certified under the 3A system, the upgraded scheme will allow most licensed products that do not qualify for a higher rating to retain their existing rating although the label itself will need to be amended to the new 5A label. Where products can demonstrate performance at a rating higher than they had been licensed to, they would be eligible for an upgrade.

This Standard, which forms the foundation of the National Water Conservation Rating and Labelling Scheme, is intended to provide a basis to encourage manufacturers to design and produce products that are water efficient. The Scheme is intended to make more efficient use of Australia's potable water supply by providing consumers with the opportunity to be able to clearly identify and purchase water efficient products with the full confidence that the performance of these products has not be compromised due to their reduced water usage.

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FOREWORD

This Standard outlines the procedures and criteria required to be achieved by water efficient products to be eligible for a rating under the National Water Conservation Ratings and Labelling Scheme.

The primary objective of the National Water Conservation Ratings and Labelling Scheme is to promote the use of water efficient products by enabling products that reach levels of water use efficiency specified in this publication to be endorsed and consequently promoted by exhibiting a label that indicates the appropriate water efficiency rating of that product.

During the development of this edition there was substantial discussion of products such as waterless urinals and compost toilets as these products use little or no water and as such certainly complied with objectives of this Scheme. Although it is acknowledged that such products replace water using products, it was also recognized that these products cannot comply with the requirements of this Standard. That is, both urinals and toilets specified in this Standard are assessed using performance requirements specified in other Australian Standards, which require some form of flushing control mechanisms. Waterless urinals and compost toilets, however, do not use a flushing control mechanism; therefore, waterless urinals and compost toilets cannot comply with the requirements of this Standard. Such products should receive recognition and as such, a new scheme that acknowledges the contribution of such products to water conservation is currently being developed.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Water efficient products—Rating and labelling**1 SCOPE**

This Standard specifies the procedure for water efficient products that are intended for connection to water supplies, to be appropriately rated relative to specified criteria.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

1172	Water closet (WC) pans of 6/3 capacity or proven equivalent
1172.1	Part 1: Pans
1172.2	Part 2: Cisterns
2007	Performance of household electrical appliances—Dishwashers
2007.1	Part 1: Energy consumption and performance
2040	Performance of household electrical appliances—Clothes washing machines
2040.1	Part 1: Energy consumption and performance
3500	National plumbing and drainage code
3500.1.2	Part 1.2: Water supply—Acceptable solutions
3662	Water supply—Water efficient mains pressure shower spray heads
3982	Urinals
MP	
52	Manual of authorisation procedures for plumbing and drainage products

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

3.1 Ablution trough

A fixture for holding water for cleansing purposes, which has a number of taps spaced to allow simultaneous multiple users.

3.2 Applicant

The manufacturer, importer, distributor, supplier or agent of a product may be the applicant to whom the assessment is issued.

NOTE: Under the scheme of this Standard, the manufacturer of the product has full rights to be the Applicant. However, an importer, distributor, supplier or agent of a product may be entitled to be the Applicant if they can demonstrate that they have the authority of the manufacturer.

3.3 Certification

The process by which products, after evaluation in accordance with the procedures specified in this Standard, are found to satisfy all the requirements of this Standard.

3.4 Certified product

A product that has been certified by the product rating certifying body as complying with requirements of this Standard.