

Australian Standard[®]

Plumbing and drainage products

**Part 037.2: Flow controllers for use with
heated or cold water systems**

STANDARDS
Australia



This Australian Standard® was prepared by Committee WS-001, Water Fittings. It was approved on behalf of the Council of Standards Australia on 10 April 2008. This Standard was published on 30 June 2008.

The following are represented on Committee WS-001:

- AUSTAP
 - Australian Industry Group
 - Australian Stainless Steel Development Association
 - Building Officials Institute of New Zealand
 - Certification Interests (Australia)
 - Copper Development Centre—Australia
 - Master Plumbers Association of NSW
 - Master Plumbers, Gasfitters and Drainlayers New Zealand
 - Plastics Industry Pipe Association of Australia
 - Plastics New Zealand
 - Plumbing Distributors Association of New Zealand
 - Queensland Brassware Industry Advisory Panel
 - South Australian Water Corporation
 - Testing Interests (Australia)
 - Water Corporation Western Australia
-

This Standard was issued in draft form for comment as DR 07137.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To remain in their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

Plumbing and drainage products

**Part 037.2: Flow controllers for use with
heated or cold water systems**

First published as ATS 5200.037.2—2005.
Revised and redesignated as AS 5200.037.2—2008.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8796 7

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-001, Water Fittings, to supersede ATS 5200.037.2, *Technical Specification for plumbing and drainage products, Part 037.2: Flow controllers—For use with heated or cold water systems*.

The objective of this Standard is to enable product certification in accordance with the requirements of the Plumbing Code of Australia (PCA).

The word 'VOID' set against a clause indicates that the clause is not used in this Standard. The inclusion of this word allows a common use clause numbering system for the plumbing and drainage Australian Technical Specifications.

The test protocol and information in this Standard was arranged by committee members to meet the authorization requirements given in the Plumbing Code of Australia.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS.....	4
4 DEFINITIONS.....	5
5 MATERIALS.....	5
6 MARKING AND INSTALLATION INSTRUCTIONS.....	8
7 ‘VOID’.....	8
8 DESIGN.....	8
9 PERFORMANCE REQUIREMENTS AND TEST METHODS.....	8
10 PERFORMANCE TEST SEQUENCE.....	9
11 PRODUCT DOCUMENTATION.....	10
 APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	11
B DETERMINATION OF NOMINAL FLOW RATE FOR FLOW CONTROLLERS.....	14
C ENDURANCE TEST FOR FLOW CONTROLLERS.....	17

STANDARDS AUSTRALIA

Australian Standard Plumbing and drainage products

Part 037.2: Flow controllers for use with heated or cold water systems

1 SCOPE

This Australian Standard sets out requirements for flow controllers with or without bodies, for use in heated or cold water plumbing systems that may be required to be rated in accordance with AS/NZS 6400.

It includes flow control devices typically used to regulate and maintain a nominal flow rate through valves, appliances, showers and tap equipment.

2 APPLICATION

Appendix A sets out the means by which compliance with this Standard shall be demonstrated by a manufacturer for the purpose of product certification.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1349	Bourdon tube pressure and vacuum gauges
1432	Copper tubes for plumbing, gasfitting and drainage applications
1565	Copper and copper alloys—Ingots and castings
1646	Elastomeric seals for water works purposes
1769	Welded stainless steel tubes for plumbing applications
1834	Material for soldering
1834.1	Part 1: Solder alloys
1881	Zinc alloys—Casting ingots and castings—Quality requirements
2136	Method for detecting the susceptibility of copper and its alloys to stress corrosion cracking using the mercurous nitrate test
2345	Dezincification resistance of copper alloys
2738	Copper and copper alloys—Compositions and designations of refinery products, wrought products, ingots and castings
2831	Thermometers—Solid stem—Long and short—For precision use
2837	Wrought alloy steels—Stainless steel bars and semi-finished products
3558	Methods of testing plastic and composite materials, sanitary plumbing fixtures
3558.5	Method 5: Determination of degradation by ultraviolet light
3688	Water supply—Copper and copper alloy body compression and capillary fittings and threaded end connectors