

Australian Standard[®]

Plumbing and drainage products

Part 007: Metal-bodied water hammer arresters



This Australian Standard® was prepared by Committee WS-001, Water Fittings. It was approved on behalf of the Council of Standards Australia on 2 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
 - New Zealand Association of Plumbing Distributors
 - Plastics Industry Pipe Association of Australia
 - Plastics 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 07138.

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 maintain 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Standards may also be withdrawn.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.

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 5200.007—2008

Plumbing and drainage products

Part 007: Metal-bodied water hammer arresters

RECONFIRMATION NOTICE

Technical Committee WS-001 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 3 September 2015.

The following are represented on Technical Committee WS-001:

Association of Accredited Certification Bodies
Australian Industry Group
Building Officials Institute of New Zealand
CSIRO
Gas Technical Regulators Committee
Housing Industry Association
National Association of Testing Authorities Australia
Plastics Industry Pipe Association of Australia
Plastics New Zealand
Plumbing Distributors Association of New Zealand
Plumbing Products Industry Group
Queensland Brassware Association
The Institute of Plumbing Australia
Water Services Association of Australia

NOTES

Australian Standard[®]

Plumbing and drainage products

Part 007: Metal-bodied water hammer arresters

First published as ATS 5200.007—2004.
Revised and redesignated as AS 5200.007—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 8798 3

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-001, Water Fittings, to supersede ATS 5200.007—2004, *Technical Specification for plumbing and drainage products, Part 007: Water hammer arresters*.

The objective of this Australian 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 for the use of a common clause numbering system for the Plumbing and drainage 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.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Australian Standard.

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	6
7 ‘VOID’.....	7
8 DESIGN.....	7
9 PERFORMANCE REQUIREMENTS AND TEST METHODS	7
10 ‘VOID’.....	8
11 PRODUCT DOCUMENTATION.....	8
 APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	9
B HYDRAULIC STRENGTH TEST FOR WATER HAMMER ARRESTER ASSEMBLIES.....	12
C SHOCK ABSORBING CAPACITY TEST	14
D ENDURANCE TEST	15

STANDARDS AUSTRALIA**Australian Standard**
Plumbing and drainage products**Part 007: Metal-bodied water hammer arresters****1 SCOPE**

This Standard sets out requirements and test methods for metal-bodied water hammer arresters of DN 15 to DN 50 sizes for heated (up to 80°C) and cold-water applications and supply pressures up to 1.2 MPa.

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

1167	Welding and brazing—Filler metals
1167.1	Part 1: Filler metal for brazing and braze welding
1349	Bourdon tube pressure and vacuum gauges
1565	Copper and copper alloys—Ingots and castings
1572	Copper and copper alloys—Seamless tubes for engineering purposes
1834	Material for soldering
1834.1	Part 1: Solder alloys
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
3688	Water supply—Metallic fittings and end connectors
AS/NZS	
1567	Copper and copper alloys—Wrought rods, bars and sections
1568	Copper and copper alloys—Forging stock and forgings
3500	Plumbing and drainage
3500.0	Part 0: Glossary of terms
3718	Water supply—Tap ware
4020	Testing of products for use in contact with drinking water