



## Air valves for sewerage



This Australian Standard® was prepared by Committee WS-022, Valves for Waterworks Purposes. It was approved on behalf of the Council of Standards Australia on 20 February 2017.

This Standard was published on 27 March 2017.

---

The following are represented on Committee WS-022:

- Australian Chamber of Commerce and Industry
  - Australian Industry Group
  - Australian Stainless Steel Development Association
  - Australian Water Association
  - Casting Technology New Zealand
  - Engineers Australia
  - Institute of Instrumentation, Control and Automation, Australia
  - Master Plumbers Australia
  - Plastics Industry Pipe Association of Australia
  - Plumbing Products Industry Group
  - Water Industry Alliance
  - Water Services Association of Australia
- 

This Standard was issued in draft form for comment as DR AS 4883:2015.

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Standards may also be withdrawn.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](http://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](mailto:mail@standards.org.au), or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

Australian Standard<sup>®</sup>

## Air valves for sewerage

First published as AS 4883—2008.  
This edition 2017.

### **COPYRIGHT**

© Standards Australia Limited

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, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 699 6

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-022, Valves for Waterworks Purposes, to supersede AS 4883—2008.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide materials requirements and performance tests for air valves in wastewater systems, together with default conformance requirements for use by manufacturers and certification bodies.

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

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendices to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	4
1.2 DEMONSTRATION OF CONFORMITY WITH THIS STANDARD .....	4
1.3 NORMATIVE REFERENCES .....	4
1.4 DEFINITIONS.....	4
1.5 TYPES AND FUNCTIONS.....	6
1.6 DESIGNATION OF SIZE .....	6
1.7 ALLOWABLE PRESSURES .....	7
SECTION 2 MATERIALS AND COMPONENTS	
2.1 GENERAL.....	8
2.2 CORROSION-RESISTANT MATERIALS .....	8
2.3 ELASTOMERIC COMPONENTS .....	8
2.4 PLASTICS COMPONENTS.....	8
SECTION 3 DESIGN	
3.1 GENERAL.....	10
3.2 END CONNECTION.....	10
3.3 CASTINGS.....	10
3.4 COMPONENTS DESIGN .....	11
SECTION 4 PROTECTIVE COATINGS	
4.1 GENERAL.....	12
4.2 DESIGN .....	12
SECTION 5 PERFORMANCE TESTS	
5.1 GENERAL.....	13
5.2 TYPE TESTS—STATIC TESTS.....	13
5.3 TYPE TESTS—DYNAMIC TESTS.....	15
5.4 PRODUCTION TESTS .....	17
SECTION 6 MARKING AND PACKAGING	
6.1 BODY MARKINGS .....	19
6.2 PACKAGING.....	19
APPENDICES	
A MEANS FOR DEMONSTRATING CONFORMITY WITH THIS STANDARD .....	20
B PURCHASING GUIDELINES .....	23
C REFERENCED DOCUMENTS.....	25
D ALTERNATIVE MATERIALS REQUIREMENTS.....	27
E ALTERNATIVE COATING REQUIREMENTS—TWO-PACK HIGH-BUILD EPOXY COATING .....	28
F ULTRAVIOLET LIGHT EXPOSURE TEST FOR PLASTIC BODIED VALVES...	30
G AIR CAPACITY TEST METHOD.....	32

This is a free preview. Purchase the entire publication at the link below:

**AS 4883 : 2017 : EN PDF**

- 
- ⊙ Looking for additional Standards? Visit SAI Global Infostore
  - ⊙ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
- 

Need to speak with a Customer Service Representative - Contact Us