



Share your feedback  
about this standard.  
Scan the QR code on your  
phone or click/ enter the  
link to take the survey  
[feedback.standards.org.au/2419.3-2012](http://feedback.standards.org.au/2419.3-2012)

**AS 2419.3—2012**  
(Incorporating Amendment No. 1)

AS 2419.3—2012

**Australian Standard<sup>®</sup>**

**Fire hydrant installations**

**Part 3: Fire brigade booster  
connections**



This Australian Standard® was prepared by Committee FP-009, Fire Hydrant Installations. It was approved on behalf of the Council of Standards Australia on 4 May 2012. This Standard was published on 7 June 2012.

---

The following are represented on Committee FP-009:

- Association of Accredited Certification Bodies
  - Association of Hydraulic Services Consultants Australia
  - Australasian Fire and Emergency Service Authorities Council
  - Australian Building Codes Board
  - Australian Fire Safety Practitioners Accreditation Board
  - Australian Industry Group
  - Australian Institute of Building Surveyors
  - Australian Stainless Steel Development Association
  - Australian Steel Institute
  - Copper Development Centre—Australia
  - Department of Defence (Australia)
  - Engineers Australia
  - Fire Protection Association Australia
  - Insurance Council of Australia
  - Plastics Industry Pipe Association of Australia
  - Property Council of Australia
  - Water Services Association of Australia
- 

This Standard was issued in draft form for comment as DR AS 2419.3.

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Standards may also be withdrawn.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.

---

**AS 2419.3—2012**  
(Incorporating Amendment No. 1)

**Australian Standard<sup>®</sup>**

## **Fire hydrant installations**

### **Part 3: Fire brigade booster connections**

First published as AS 2419.3—1996.  
Second edition 2012.  
Reissued incorporating Amendment No. 1 (August 2013)

#### **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 74342 145 1

## PREFACE

This Standard was prepared by the Standards Australia Committee FP-009, Fire Hydrant Installations, to supersede AS 2419.3—1996.

*This Standard incorporates Amendment No. 1 (August 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.*

The objective of this Standard is to provide manufacturers with requirements for the design, manufacture, performance and testing of booster connections suitable for installation in fire hydrant systems and sprinkler systems.

The objective of this revision is to—

- (a) clarify the intent of the Standard and make it user friendly;
- (b) align the Standard with current manufacturing practices and the performance requirements of AS 2419.1, *Fire hydrant installations, Part 1: System design, installation and commissioning*;
- (c) review component materials considered fit for purpose;
- (d) align the Standard with Australian best practice for water conservation;
- (e) align the Standard with International Standards for construction and materials;
- (f) remove the requirement for product suitability for contact with potable water; and
- (g) introduce new provisions for product certification to promote quality and reliability of product.

This Standard is Part 3 of the following series:

AS

2419 Fire hydrant installations

2419.1 Part 1: System design, installation and commissioning

2419.2 Part 2: Fire hydrant valves

2419.3 Part 3: Fire brigade booster connections

The terms ‘normative’ and ‘informative’ have been used in this Standard to define 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.

## CONTENTS

	<i>Page</i>
<b>SECTION 1 SCOPE AND GENERAL</b>	
1.1 SCOPE.....	4
1.2 APPLICATION .....	4
1.3 NEW DESIGNS AND INNOVATIONS .....	4
1.4 NORMATIVE REFERENCES .....	4
1.5 DEFINITIONS.....	6
1.6 ALLOWABLE PRESSURES .....	7
<b>SECTION 2 MATERIALS</b>	
2.1 BOOSTER .....	8
2.2 DEZINCIFICATION RESISTANCE.....	8
2.3 ALL COMPONENTS.....	8
<b>SECTION 3 DESIGN AND MANUFACTURE</b>	
3.1 TYPICAL DESIGNS .....	10
3.2 GENERAL.....	10
3.3 BOOSTER BODY .....	17
3.4 OUTLET CONNECTIONS AND THROUGH LINE INLET CONNECTION OF AN IN-LINE BOOSTER .....	17
3.5 INLET CONNECTIONS .....	18
3.6 FLAP TYPE NON-RETURN VALVES (THROUGH LINE OF IN-LINE BOOSTERS ONLY).....	18
3.7 SPRING-OPERATED NON-RETURN VALVES.....	18
3.8 DRAIN VALVES .....	19
3.9 BLANK CAPS AND PLUGS .....	19
3.10 PRESSURE GAUGES.....	19
3.11 MARKING .....	19
<b>SECTION 4 PERFORMANCE REQUIREMENTS</b>	
4.1 GENERAL.....	20
4.2 PRODUCTION TESTS .....	20
4.3 TYPE TESTS.....	20
<b>APPENDICES</b>	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD .....	21
B FIRE HOSE COUPLINGS USED IN AUSTRALIA .....	24
C PURCHASING GUIDELINES .....	28
D TYPE TESTS.....	29
E PRODUCTION TESTS .....	32
<b>BIBLIOGRAPHY.....</b>	<b>34</b>

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

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-