AS 2419.3—2012
(Incorporating Amendment No. 1)

AS 2419.3—2012

Australian Standard®

Fire hydrant installations

Part 3: Fire brigade booster connections

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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.
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- Association of Hydraulic Services Consultants Australia
- Australasian Fire and Emergency Service Authorities Council
- Australian Building Codes Board
- Australian Fire Safety Practitioners Accreditation Board
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- 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.

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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.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for design, construction, performance and testing of fire brigade booster connection(s) suitable for installations as part of fire hydrant systems and sprinkler systems.

NOTES:

1 Information on types of fire hose couplings is given in Appendix B.

2 Information on purchasing guidelines is given in Appendix C.

1.2 APPLICATION

This Standard applies to fire brigade booster connection(s) intended for installation in accordance with AS 2419.1 or AS 2118.1 or AS 2118.6, which have screwed, flanged, roll grooved or shouldered outlets. The booster inlet(s) shall have hose connection of 65 mm nominal size, and shall comply with the local fire brigade requirements. Boosters may be single, dual, quadruple or sextuple inlet.

Compliance with this Standard shall be demonstrated in accordance with Appendix A.

NOTE: Fire brigade booster connection(s) is generally referred to in this Standard as a 'booster' or 'the booster'.

1.3 NEW DESIGNS AND INNOVATIONS

Any alternative materials, designs, methods of assembly and procedures that do not comply with specific requirements of this Standard, or are not mentioned in it, but give equivalent results to those specified, are not necessarily prohibited; however, the specified approval remains the prerogative of the relevant authority.

If an alternative system or innovation is intended for use in a hydrant system, the design drawings with supporting documentation including material certificates with performance reports and product certification details, where applicable, shall be submitted to the relevant authority for approval. The alternative system or innovation shall comply with performance requirements of AS 2118.1, AS 2118.6, AS 2419.1, AS 2419.2 and this Standard.

1.4 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard.

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

1074 Steel tube and tubulars for ordinary service

1349 Bourdon tube pressure and vacuum gauges

1565 Copper and copper alloys—Ingots and castings

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