

Australian Standard™

**Water supply—Spring hydrant valve for  
waterworks purposes**



This Australian Standard was prepared by Committee WS-022, Valves for Water Supply Purposes. It was approved on behalf of the Council of Standards Australia on 9 November 2001 and published on 11 January 2002.

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The following interests are represented on Committee WS-022:

Australian Chamber of Commerce and Industry  
Australian Industry Group  
Australian Valve Manufacturers Association  
AusPoly  
Master Plumbers Australia  
Metal Trades Industry Association of Australia  
New Zealand Metal Casting Industry Association  
New Zealand Water and Wastes Association  
Society of Mechanical Engineers of Australasia  
Water Services Association of Australia (WSAA)  
Water Industry Alliance

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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee WS-022, Valves for Water Supply Purposes. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than Australian/New Zealand Standard.

The objective of this Standard is to issue it as an Australian Standard only, to include materials, design requirements, testing and means for demonstrating compliance with this Standard.

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.

Support and contribution is acknowledged from the Water Services Association of Australia (WSAA).

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## STANDARDS AUSTRALIA

## Australian Standard

## Water supply—Spring hydrant valve for waterworks purposes

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for flanged ductile cast iron spring hydrant valve with resilient seat for waterworks purposes. This Standard is applicable to Class 10 valves of nominal size DN 80 with either DN 80 or DN 100 flange with a maximum working temperature of 60°C. The valve is intended for use with potable water and is operated by means of the attachment of a standpipe. The life of the valve is intended to be a minimum of 50 years, and the design criteria should be based on this requirement.

Means for demonstrating compliance with this Standard are given in Appendix A.

**1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

- |        |  |
|--------|--|
| 1646   | Elastomeric seals for waterworks purposes  |
| 1646.2 | Part 2: Material requirements for pipe joint seals used in water and wastewater applications—Specified by prescription formulation |
| 1831   | Iron castings—Spheroidal or nodular graphite cast iron   |
| 2345   | Dezincification resistance of copper alloys  |
| 4087   | Metallic flanges for waterworks purposes   |

## AS/NZS

- |      |  |
|------|--|
| 1568 | Copper and copper alloys—Forging stock and forgings                                  |
| 4020 | Products for use in contact with drinking water                                      |
| 4158 | Thermal-bonded polymeric coatings on valves and fittings for water industry purposes |

## SAI/SANZ

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|----------|--|
| HB 18    | Guidelines for third-party certification and accreditation   |
| HB 18.23 | Guide 28: General rules for a model third-party certification scheme for products (ISO/IEC Guide 28) |

## ASTM

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|------------|---|
| A276       | Stainless steel bars and shapes   |
| A240/A240M | Heat-resisting chromium and chromium-nickel stainless steel plate, sheet and strip for pressure vessels |