Australian Standard™

Water supply—Spring hydrant valve for waterworks purposes

Standards Australia

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.

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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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for flanged ductile cast iron spring hydrant valves with resilient seat for waterworks purposes. This Standard is applicable to Class 16 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	
HB 18	Guidelines for third-party certification and accreditation
HB 18.28	Guide 28: General rules for a model third-party certification scheme for products (ISO/IEC Guide 28)
ASTM	
A276	Stainless steel bars and shapes
A240/A240M	Heat-resisting chromium and chromium-nickel stainless steel plate, sheet and strip for pressure vessels

