

Australian Standard[®]

**In-line ball valves for use in plumbing
water supply systems**

Part 1: Metal-bodied



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 3 February 2012.

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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
 - Engineers Australia
 - Institute of Instrumentation, Control and Automation Australia
 - Master Plumbers Australia
 - Plastics Industry Pipe Association of Australia
 - Plumbing Products Industry Group
 - Water Corporation Western Australia
 - Water Industry Alliance
 - Water New Zealand
 - Water Services Association of Australia
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This Standard was issued in draft form for comment as DR AS 5830.1.

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 Joint Standards Australia/Standards New Zealand Committee WS-022, Valves for Waterworks Purposes, to supersede in part ATS 5200.012—2005, *Technical Specification for plumbing and drainage products Part 012: In-line valves for use in plumbing water supply systems—Miscellaneous types metallic and non-metallic*.

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 suitable materials and performance tests for metal-bodied ball valves used in plumbing water supply systems together with compliance requirements for the use of manufacturers and conformity assessment bodies.

Many of the requirements within this Standard are taken from AS 4617, *Manual shut off gas valves*, due to safety and performance requirements being applicable to this Standard.

While it was recognized that three-piece ball valves are manufactured for a range of industrial applications, it was decided that, for the purposes of plumbing water supply systems, three-piece ball valves would not be addressed until it could be demonstrated that such valves were appropriate for plumbing water supply systems and there were relevant fully documented design, manufacturing, performance and testing requirements available.

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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