

Australian Standard™

Gate valves for waterworks purposes

Part 1: Metal seated

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 21 August, 2002 and published on 6 September 2002.

The following are represented on Committee WS-022:

Association of Consulting Engineers Australia
AusPoly
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Valve Manufacturers Association
Business New Zealand
Certification Bodies (Australia)
Department of Contract and Management Services WA
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Gate valves for waterworks purposes

Part 1: Metal seated

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/New Zealand Committee WS-022, Valves for Water Supply Purposes, to supersede AS 2638.1—1999, *Sluice valves for water works purposes—Metal seated*. 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 specify requirements for Class 16 and Class 35 metal-bodied gate valves for waterworks purposes.

This revision includes the following changes:

- (a) Incorporation of gate valves intended for above ground use in both non-rising and rising spindle designs.
- (b) Rationalization to Class 16 and Class 35.
- (c) Amendment of face to face dimensions for Class 16 flanged-gate valves to coincide with ISO Standards and align with AS 2638.2.
- (d) Inclusion of DN 350, DN 400, DN 700, DN 800 and DN 900 sizes.
- (e) Changes to spindle seal retainer requirements.
- (f) Inclusion of a type test for strength of spindle caps and spindle extensions.
- (g) Revision of test duration. (For product certification purposes for a product that has been certified to AS/NZS 2638.1—1999, it is not required to repeat corresponding type tests within this Standard, except in the case of a design change).
- (h) Adoption of water industry standard maximum operating temperature of 40°C for water supply.
- (i) Specifying scaling factors to be applied when testing to AS/NZS 4020.

Attention is drawn to the proposed publication of SAI/SNZ Rul PL/2, Rulings to the Joint Australia/New Zealand Standard, Gate valves for waterworks purposes. Where rulings of public significance are issued, they will be available from Standards Australia through a subscription service. When rulings are included in an amendment or revision, the specific ruling will be withdrawn at the time of publication of the amendment. Enquiries should be directed to Standards Australia.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of 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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