AS 1628—1999
(Incorporating Amendment No. 1)

AS 1628

Australian Standard™

Water supply—Metallic gate, globe and non-return valves

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This Australian Standard was prepared by Committee WS/22, Valves for Water Supply Purposes. It was approved on behalf of the Council of Standards Australia on 15 October 1999 and published on 5 December 1999.

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Australian Chamber of Commerce and Industry

Australian Chamber of Manufactures

Australian Industry Group

Australian Valve Manufacturers Association

Hunter Water Corporation

Master Plumbers Australia

Metal Trades Industry Association of Australia

New Zealand Water and Wastes Association

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Australian Standard™

Water supply—Metallic gate, globe and non-return valves

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/3, Valves for Water Supply Purposes, to supersede AS 1628—1994, *Water supply—Copper alloy gate, globe and non-return valves.*

This Standard incorporates Amendment No. 1 (November 2001). 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.

This Standard is the result of a consensus among Australia/New Zealand representatives on the Committee to produce it as an Australian Standard.

The objective of this Standard is to include design, materials and type tests required for valves nominated in this Standard.

This edition includes modification to the title, amendments and additional smaller DN sizes.

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.

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

Support and contribution is acknowledged from water authorities, manufacturers, importers and Water Services Association of Australia (WSAA).

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STANDARDS AUSTRALIA

Australian Standard
Water supply—Metallic gate, globe and non-return valves

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for metallic gate, globe and non-return valves of nominal sizes DN 8 to DN 100 for use in hot and cold water applications where the operating temperature does not exceed 99°C.

1.2 REFERENCED DOCUMENTS

A list of the documents referred to in this Standard is given in Appendix A.

1.3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 3500.0 and those below apply.

1.3.1 Component

That part, or a sub-assembly of parts, which contribute to the construction of a total assembly by choice or design which may offer variations of fitment for the application to the major element of the product, whether produced by that same manufacturer or not.

1.3.2 Dashpot

A device, usually an integral component of a valve, designed for the purpose of reducing the fluid velocity or damping vibration in the valve and the associated connected pipework system.

1.4 DESIGNATION OF SIZE

The size of a valve that is nominally designated shall be the nominal size of the pipe with which it is intended to be used.

1.5 MARKING

1.5.1 Marking requirements

All valves shall be legibly marked by a casting or indenting process with the following:

(a) Manufacturer's name or mark.

(b) Nominal size.

(c) Maximum operating pressure

(d) An arrow (↔), permanently marked on the handwheel, showing the open↔closure operating direction.

(e) In the case of non-return valves, an indication on the top of the valve showing direction of flow.

(f) For copper alloy valves the letters DR.

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