AS 1628—1994

Australian Standard®

Water supply—Copper alloy gate, globe and non-return valves

STANDARDS AUSTRALIA

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 22 November 1993 and published on 21 February 1994.

The following interests are represented on Committee WS/22:

A.C.T. Electricity and Water

Association of Consulting Engineers Australia

Australia Chamber of Commerce and Industry

Australian Valve Manufacturers Association

Brisbane City Council

Department of Public Works, N.S.W.

Engineering and Water Supply Department, S.A.

Hunter Water Corporation, N.S.W.

Melbourne Water

New Zealand Local Government Association

New Zealand Metal Casting Industry Association

Rural Water Commission of Victoria

Society of Mechanical Engineers of Australasia

Victorian Chamber of Manufactures

Water Authority of Western Australia

Water Board, Sydney—Illawarra—Blue Mountains

Water Resources Commission, Qld

This Standard was issued in draft form for comment as DR 92063.

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 1628—1994
Water supply—Copper alloy gate, globe and non-return valves

REVISED TEXT

The 1994 edition of AS 1628 is amended as follows; the amendments should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clauses 3.2.5, 3.4 and 3.4.2.

Published on 5 November 1996.

AMDT No. 1 NOV. 1996

Page 9 Clause 3.2.5

Delete existing text and *substitute* 'Internally screwed ends shall comply with AS 1722.1 Series RP or AS 1722.2 Series G.'

AMDT No. 1 NOV. 1996

Page 9 Clause 3.4

Add '(For factory assembled components)' to Clause title.

AMDT No. 1 NOV. 1996

Page 9 Clause 3.4.2 Item (b)

Delete Item (b).

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PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee WS/22 on Valves for Water Supply Purposes to supersede AS 1628—1977, *Copper alloy gate valves and non-return valves for use in water supply and hot water services.*

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

The Standard includes additional procedures from ISO for performance tests and retains essential dimensions to provide interchangeability in the industry.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for copper alloy gate, globe and non-return valves of nominal sizes DN 15 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 3500.0 and those below apply.

1.3.1 Component—that part of, 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. The component shall be deemed a vital part of the total assembly and shall not inhibit the product from complying with the relevant Australian Standard, or the appropriate specification, when submitted for type testing.

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 a valve 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) The letters 'DR'.

(c) The handwheel shall be permanently marked with an arrow showing the open↔closure operating direction.

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

The marking shall be placed where it will be readily visible after installation. If this is not possible, an additional sticker shall be attached to the valve where it will be visible after installation.

1.5.2 Space for mark of certifying body Provision shall be made on every valve for the reception of the mark of the certifying body. The area shall be of sufficient size to accommodate the mark. Indented marks shall be applied in such a way as not to deform or otherwise damage the valve. Manufacturers may agree with the certifying body whether or not the mark will be applied to individual components in a valve which passes the required tests.