AS 4032.1—2005

Australian Standard™

Water supply—Valves for the control of heated water supply temperatures

Part 1: Thermostatic mixing valves—Materials design and performance requirements

STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee WS-026, Valves Primarily for Use in Warm and Hot Water Systems. It was approved on behalf of the Council of Standards Australia on 18 November 2004.
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The following are represented on Committee WS-026:

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Australian Chamber of Commerce and Industry
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-026, Valves Primarily for Use in Warm and Hot Water Systems, to supersede AS 4032.1—2002, *Thermostatic mixing valves*.

After consultation with stakeholders in both countries, Standards Australia/Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This revision includes provision for electronically controlled valves, requirements for hot water shut-off performance and increased sizes up to 50 mm

This Standard is Part 1 of a suite of Standards that covers valves for the control of hot water temperatures as follows:

AS		
4032		Water supply—Valves for the control of heated water supply temperatures
4032.1	Part 1:	Thermostatic mixing valves—Materials, design and performance requirements (this Standard)
4032.2	Part 2:	Tempering valves and end-of-line temperature-activated devices
4032.3	Part 3:	Requirements for field testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end-of-line temperature control devices

The objective of this Standard is to provide manufacturers, system designers, relevant authorities and others with performance requirements for thermostatic mixing valves, which give a level of protection to users against exposure to high or excessive fluctuations in mixed-water temperatures caused by variations, including shut-off, in the cold or hot water supply.

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, tables and figures are deemed to be requirements of this Standard.

This Standard necessarily deals with existing conditions, but is not intended to discourage innovation or to exclude material, equipment and methods that may be developed in the future. Revisions will be made from time to time in view of such developments, and amendments to this edition will be made only when absolutely necessary.

CONTENTS

Page