

AS 4032.3:2022



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

**Part 3: Requirements for field-testing, maintenance or replacement of valves, taps and devices**



AS 4032.3:2022

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- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Engineers Australia
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- Institute of Healthcare Engineering Australia
- Master Plumbers Association of NSW
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# **Water supply — Valves for the control of heated water supply temperatures**

## **Part 3: Requirements for field-testing, maintenance or replacement of valves, taps and devices**

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## Preface

This Standard was prepared by the Australian members of the joint Standards Australia/Standards New Zealand Committee WS-026, Valves primarily for use in Warm and Hot Water Systems, to supersede AS 4032.3—2004, *Water supply — Valves for the control of heated water supply temperatures, Part 3: Requirements for field-testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end-of-line temperature control devices*.

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

The objective of this document is to provide network utility operators and service personnel with the requirements for field-testing and maintenance of the devices specified in AS 4032.1, AS 4032.2 and AS 4032.4, for the frequency of maintenance and for the frequency of replacement of temperature operating components.

This document forms part of the AS 4032 series that covers valves for the control of hot water temperatures. A list of all parts in this series can be found in the Standards Australia online catalogue.

The major change in this edition is the inclusion of thermostatically controlled taps.

The terms “normative” and “informative” are used in Standards to define the application of the appendices 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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## Introduction

This document has been prepared in response to community concerns following a number of scalding incidents from hot water outlets.

Federal, state and territory regulations may contain requirements in relation to the —

- (a) qualifications of persons permitted by law to field-test and maintain fittings specified in AS 4032.1, AS 4032.2 and AS 4032.4;
- (b) administrative procedures that are to be followed; and
- (c) authorization of materials, fittings and other components for connection to a water service.

# Australian Standard®

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

### Part 3: Requirements for field-testing, maintenance or replacement of valves, taps and devices

#### Section 1 Scope and general

##### 1.1 Scope

This document specifies the minimum requirements for field-testing, maintenance and replacement of thermostatic mixing valves, tempering valves, thermostatically controlled taps and end-of-line temperature-actuated devices.

##### 1.2 Application

This document is intended for use by network utility operators and service personnel responsible for field-testing and maintenance of the devices specified in AS 4032.1, AS 4032.2 and AS 4032.4.

This document shall be read in conjunction with the manufacturer's published instructions.

This document should also be read in conjunction with any relevant regulations.

##### 1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

AS 4032.2, *Water supply — Valves for the control of heated water supply temperatures, Part 2: Tempering valves and end-of-line temperature-activated devices*

##### 1.4 Terms and definitions

For the purposes of this document the definitions given in AS/NZS 3500.0, AS 4032.1, AS 4032.2, AS 4032.4 and the following apply.

###### 1.4.1

###### **field testing**

inspection and performance testing for ongoing maintenance, remedial work or replacement

Note 1 to entry: A report is usually produced following field testing.

###### 1.4.2

###### **maintenance**

work that is required to be carried out on a regular basis or as a result of a problem to enable safe operation of the valve

###### 1.4.3

###### **may**

indicates the existence of an option

###### 1.4.4

###### **shall**

indicates that a statement is mandatory