

Australian Standard[®]

**Valves primarily for use in heated water
systems**

Part 2: Control valves

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 12 August 2005.

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 - Australian Industry Group
 - Australian Association of Certification Bodies
 - Building Research Association of New Zealand
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 - NSW Health Department
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-

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systems**

Part 2: Control valves

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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 1357.2—1998, *Valves primarily for use in warm and hot water systems Part 2: Control valves*.

This Standard incorporates Amendment No. 1 (September 2006), Amendment No. 2 (May 2009). 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.

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 provide manufacturers with design, materials and performance requirements for control valves that give reasonable protection to users against exposure to high or excessive fluctuations in water temperature.

The range of control valves in this Standard includes types to limit maximum water inlet pressures, provide vacuum relief, prevent excessive water storage temperature (in solar water heaters) and reduce the risk of scalding temperatures at delivery points.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	6
1.2 APPLICATION	6
1.3 REFERENCED DOCUMENTS	6
1.4 DEFINITIONS	6
1.5 INSTRUMENTATION	7
1.6 MARKING	8
SECTION 2 MATERIALS	
2.1 GENERAL	9
2.2 CONTAMINATION OF WATER	9
2.3 CORROSION-RESISTANT METALLIC MATERIALS	9
2.4 COPPER	9
2.5 COPPER ALLOY	9
2.6 DEZINCIFICATION-RESISTANT (DR) COPPER ALLOY	9
2.7 STAINLESS STEEL	10
2.8 DIAPHRAGM, MATERIALS, AND VALVE SEATS	10
2.9 TEMPERATURE-SENSING PROBE	10
2.10 OTHER COMPONENT MATERIALS	10
SECTION 3 GENERAL DESIGN AND CONSTRUCTION	
3.1 GENERAL	11
3.2 STRENGTH	11
3.3 END CONNECTIONS	11
3.4 COMPONENTS AND VALVE SEATS	11
3.5 REPAIR	11
3.6 INSTRUCTIONS	11
SECTION 4 VACUUM RELIEF VALVES	
4.1 GENERAL	12
4.2 DESIGN	12
4.3 INLET AND OUTLET	12
4.4 PROTECTION AGAINST BLOCKAGE	12
4.5 FLOW PASSAGES	12
4.6 OPENING PRESSURE TEST	12
4.7 CLOSING PRESSURE TEST	12
4.8 AIR-PASSING CAPACITY TEST	12
4.9 RESISTANCE TO HOT WATER	12
4.10 MARKING	13
SECTION 5 THERMOSIPHON ARRESTOR VALVES	
5.1 GENERAL	14
5.2 FLOW AREA	14
5.3 FLOW PASSAGE	14
5.4 CLOSING TEMPERATURE	14
5.5 VALVE OPERATING CHARACTERISTICS	14
5.6 ENDURANCE	14
5.7 TEMPERATURE ENDURANCE	14
5.8 MARKING	14

SECTION 6 PRIMARY TEMPERATURE CONTROL VALVES

6.1	GENERAL	15
6.2	INLET AND OUTLET CONNECTIONS.....	15
6.3	DESIGN REQUIREMENTS	15
6.4	MIXED WATER DISCHARGE TEST—TEMPERED WATER RANGE	15
6.5	ENDURANCE.....	15
6.6	MINIMUM FLOW REQUIREMENT	16
6.7	MARKING	16
6.8	MANUFACTURER'S INSTRUCTIONS	16

SECTION 7 INLET PRESSURE CONTROL VALVES

	7.1	GENERAL	17
	7.2	OUTLET PRESSURE	17
A2	7.3	SET OUTLET PRESSURES AND RATIOS.....	17
A2	7.4	FLOW RATES	17
	7.5	ENDURANCE.....	17
	7.6	MARKING	18

SECTION 8 ISOLATING VALVES

	8.1	GENERAL	19
	8.2	MINIMUM FLOW AREA.....	19
	8.3	WIDTH OF PASSAGES	19
	8.4	STRENGTH OF OPERATING MECHANISM	19
	8.5	ENDURANCE.....	19

A1 |

SECTION 9 THERMAL SWITCHING VALVES

	9.1	GENERAL	20
	9.2	INLET AND OUTLET CONNECTIONS.....	20
	9.3	DESIGN REQUIREMENTS	20
	9.4	PERFORMANCE REQUIREMENTS	20
	9.5	ENDURANCE.....	21
	9.6	MARKING	21
	9.7	MANUFACTURER'S INSTRUCTIONS	21

APPENDICES

A	MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	22
B	REFERENCE DOCUMENTS.....	24
C	INSTRUMENTATION	26
D	MEASUREMENT OF NOISE EMISSION	27
E	LEAKAGE TEST	28
F	OPENING PRESSURE AND AIR-PASSING CAPACITY TEST— VACUUM-RELIEF VALVES.....	30
G	TEMPERATURE STABILITY OF MIXED WATER TEST— PRIMARY TEMPERATURE-CONTROL VALVE	32
H	ENDURANCE TEST—THERMOSIPHON ARRESTOR VALVES AND PRIMARY TEMPERATURE-CONTROL VALVES.....	43
I	TEMPERATURE ENDURANCE TEST—THERMOSIPHON ARRESTOR VALVES	46
J	FLOW MEASUREMENT—PRIMARY TEMPERATURE-CONTROL VALVES... ..	47
K	CLOSING TEMPERATURE AND FLOW AREA TEST—THERMOSIPHON ARRESTOR VALVES.....	50
L	OUTLET PRESSURE TEST—INLET PRESSURE CONTROL VALVES	53
M	FLOW RATE TEST—INLET PRESSURE CONTROL VALVES	55

N	ENDURANCE TEST—INLET PRESSURE CONTROL VALVES.....	57
O	TORQUE TEST—ISOLATING VALVES.....	59
P	ENDURANCE TEST—ISOLATING VALVES.....	61
Q	SAMPLING AND FREQUENCY PLANS FOR VACUUM RELIEF VALVES.....	62
R	SAMPLING AND FREQUENCY PLANS FOR THERMOSIPHON ARRESTOR VALVES	64
S	SAMPLING AND FREQUENCY PLANS FOR PRIMARY TEMPERATURE CONTROL VALVES	66
T	SAMPLING AND FREQUENCY PLANS FOR INLET PRESSURE CONTROL VALVES	68
U	SAMPLING AND FREQUENCY PLANS FOR ISOLATING VALVES	70
V	TEST FOR FLOW CAPACITY, LEAKAGE RATE AND SWITCHING TIME— THERMAL SWITCHING VALVE	72
W	ENDURANCE TEST—THERMAL SWITCHING VALVE.....	74

A1

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STANDARDS AUSTRALIA

Australian Standard

Valves primarily for use in heated water systems

Part 2: Control valves

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for the design, construction, testing and performance of the following types of water valves and devices:

- (a) Vacuum relief valves.
- (b) Thermosiphon arrestor valves.
- (c) Primary temperature control valve.
- (d) Inlet pressure control valves.
- (e) Isolating valves.

The valves and devices specified in this Standard are primarily intended for use in a heated water service (see AS/NZS 3500.4).

1.2 APPLICATION

Compliance with this Standard shall be demonstrated in accordance with Appendix A.

1.3 REFERENCED DOCUMENTS

The documents referred to in this Standard are listed in Appendix B.

1.4 DEFINITIONS

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

1.4.1 Distortion

That which is obvious to the eye without resorting to dimensional checking.

1.4.2 Inlet pressure control valve

A valve designed to control the maximum supply pressure of the cold water to the inlet of a water heater.

NOTE: Typically, it may be a pressure-reducing valve, pressure-limiting valve or pressure ratio valve.

1.4.3 Manufacturer's recommended commissioning temperature

The temperature to which the tempering valve is set and checked following its installation within the limits specified by the manufacturer.