

**AS 1357.1—2004**  
(Incorporating Amendment Nos 1 and 2)

AS 1357.1—2004

**Australian Standard<sup>®</sup>**

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

**Part 1: Protection valves**



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 5 November 2003.  
This Standard was published on 16 April 2004.

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The following are represented on Committee WS-026:

- AUSTAP
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  - Business New Zealand
  - Consumers' Federation of Australia
  - Gas Appliance Manufacturers Association of Australia
  - Housing Industry Association
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  - Metal Trades Industry Association of Australia
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  - New Zealand Society of Master Plumbers and Gasfitters
  - NSW Health Department
  - South Australian Health Commission
  - Water Corporation Western Australia
- 

This Standard was issued in draft form for comment as DR 02412.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

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

## **Part 1: Protection valves**

Originated as AS B271—1968.  
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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 1357.1—1992, *Water supply—Valves for use with unvented water heaters, Part 1: Protection valves*.

*This Standard incorporates Amendment No. 1 (October 2005) and Amendment No. 2 (February 2007). 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 protection valves.

This Standard includes Amendment No. 1 published in May 1996, Section 7 temperature relief valves and interim specification 426 for high-pressure expansion non-return valves (HPNR), Section 8.

Other standards covering heated water system valves include the following:

AS 1357.2 Vacuum relief valves, Thermosiphon arrestor valves, Inlet pressure control valves, Isolating valves.

AS 4032.1 Thermostatic mixing valves—Materials design and performance requirements

AS 4032.2 Tempering valves and end of line temperature actuated devices.

AS 4032.3 Water supply—Valves for the control of hot water supply temperatures—Requirements for field testing, maintenance or replacement of thermostatic mixing valves, tempering valves and end of line temperature control devices

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.

## CONTENTS

	<i>Page</i>
<b>SECTION 1 SCOPE AND GENERAL</b>	
1.1 SCOPE .....	6
1.2 REFERENCED DOCUMENTS .....	6
1.3 DEFINITIONS .....	6
1.4 INSTRUMENTATION .....	7
1.5 MARKING .....	8
<b>SECTION 2 MATERIALS</b>	
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
<b>SECTION 3 GENERAL DESIGN AND CONSTRUCTION</b>	
3.1 GENERAL .....	11
3.2 STRENGTH .....	11
3.3 END CONNECTIONS .....	11
3.4 COMPONENTS AND VALVE SEATS .....	11
3.5 REMANUFACTURED VALVES .....	11
3.6 INSULATION OF TEMPERATURE/PRESSURE-RELIEF VALVES, TEMPERATURE-RELIEF VALVES, EXPANSION CONTROL VALVES AND COMBINATION HIGH-PRESSURE EXPANSION NON-RETURN VALVES .....	12
3.7 INSTRUCTIONS .....	13
<b>SECTION 4 TEMPERATURE/PRESSURE-RELIEF VALVES</b>	
4.1 GENERAL .....	14
4.2 INLET AND DRAIN CONNECTIONS AND FLOW DIMENSIONS .....	14
4.3 VALVE SEAT AND DISC ASSEMBLIES .....	16
4.4 SPRINGS PRESSURE-RELIEF FUNCTION .....	16
4.5 TESTING .....	16
4.6 EASING GEAR TEST .....	19
4.7 AUXILIARY PRESSURE-RELIEF DEVICE .....	20
4.8 PRESSURE-RELIEF FUNCTION .....	20
4.9 TEMPERATURE-RELIEF FUNCTION .....	21
4.10 MARKING .....	21
<b>SECTION 5 EXPANSION CONTROL VALVES</b>	
5.1 GENERAL .....	22
5.2 CONNECTIONS AND FLOW DIMENSIONS .....	22
5.3 VALVE SEAT AND DISC ASSEMBLIES .....	23
5.4 SPRINGS .....	23
5.5 TESTING .....	23
5.6 EASING GEAR .....	24

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