

Valve Application Guide

Step 1 Determine the P&T Pressure Setting

The P&T Relief Valve setting should be the same as the working pressure on the water heater rating label. Refer to the label on the heater and the valve.

The Water Heater Manufacturer

100
Litre

Model Number:	9312782
Serial Number:	XZ65414
Max Working Pressure:	1000 kPa
Max Supply (No ECV):	800 kPa
Max Supply (With ECV):	680 kPa
EC Valve Setting:	650 kPa

P&T Set Pressure on the heater label

Step 2 Check you have the correct P&T Configuration

- a. If the water heater is a new installation, check that the P&T valve provided is rated the same as the maximum working pressure of the water heater.
- b. If the valve is a replacement valve (e.g. for maintenance purposes), ensure that the replacement P&T valve is of the exact same configuration and pressure setting as the valve it is replacing.



Expansion Control Valve



P&T Relief Valve

Step 3 Determine the maximum Expansion Control Valve Setting

The rating plates on all RMC water heater valves are colour coded to make selecting the correct valve easy. Simply match the P&T Relief Valve with a rating plate of the same colour. Other manufacturer's may use a different colour scheme or pressure range. Always replace with a genuine RMC valve to reduce the chance of voiding a manufacturer's warranty.

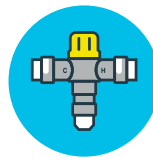
Rating Plate Colour	P&T Relief	Expansion control	Pressure Control Max Setting
Black	700kPa	550kPa	350kPa
Blue	850kPa	700kPa	450kPa
Green	1000kPa	850kPa	500kPa
Red	1400kPa	1200kPa	600kPa

As per AS / NZS 3500.4

WHY RMC WATER VALVES?

RMC valves are tested and certified here in Australia under the WaterMark Certification Scheme, ensuring they are fit for purpose and authorised for use in all plumbing and drainage installations.

RMC Reliance Valves products are the premier choice of valves in the Australian plumbing marketplace. With a complete range of valves including thermostatic mixing valves, combination non-return and isolating valves and pressure control, temperature control and expansion control valves, RMC Reliance Valves is the leader in water control.



Contents of this brochure are subject to change. Please visit our website for most up-to-date product information.



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YOUR GUIDE TO WATER VALVES

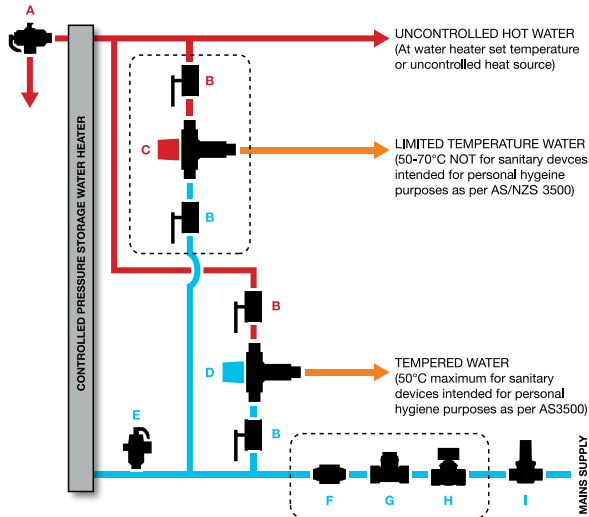
rwc.com.au

What valves do I need?

RMC water valves meet the needs of the wide variety of hot water systems on the market and the differing plumbing regulations around Australia. We offer the lot - it's why we're the number one choice in plumbing valves.

Please refer to your local plumbing authority for system valve requirements in addition to water heater manufacturers' installation requirements. The general schematic below shows you "what goes where".

Controlled Pressure Water Heater:



- A. P&T Valve
- B. Isolating Valve
- C. Primary Temperature Control Valve
- D. HeatGuard Tempering Valve
- E. Expansion Control Valve
- F. Pressure Limiting Valve
- G. Line Strainer
- H. Non Return Isolation Valve
- I. Pressure Reduction Valve

Inlet Controls

HeatGuard™ Tempering Valve Selection Guide

RMC HeatGuard Tempering Valves provide reliable water temperature control in accordance with AS 4032.2. These valves must be commissioned on site to achieve the desired outlet temperature. All valves should be installed in accordance with AS/NZS 3500 and state and local authority requirements.



	HeatGuard (Standard)	HeatGuard Ultra (High Performance)	HeatGuard Ultra HF (Large High Flow)
1. MAINS PRESSURE STORAGE			
Stable supply pressure	✓	✓	✓
Fluctuating supply pressure	-	✓	-
2. SOLAR			
Suitable for mains pressure solar	-	✓	✓
Suitable for gravity fed solar	-	-	✓
Suitable for uncontrolled heat source	-	✓	✓
3. OTHER SYSTEMS/REQUIREMENTS			
Continuous flow water heaters	-	✓	-
Instantaneous water heaters	-	✓	-
Heat exchange water heaters	-	✓	-
Pumped ring main / trace heated systems / fluctuating supply pressures	-	✓	-
Low pressure storage	-	-	✓
Valve fitted remote from water heater near point of use	-	✓	-
Insulation Included	✓	✓	-

