

RMC's Pressure, Temperature & Vacuum Relief (P, T & V Relief) Valves are safety controls for unvented water heaters. They ensure that the pressure and temperature of the water do not exceed 99°C in the event the normal thermostatic controls fail.



Model	Catalogue Number
LTV55	LTV501
LTV575	LTV701

Description

P, T & V Relief Valves incorporate a vacuum breaking (air-inlet) device to protect the cylinder against implosion during the contraction cycle in lower working pressure hot water cylinders.

These valves may be used to guard against over-heating and over-pressure hazards wherever water is stored in unvented containers, particularly in lower working pressure hot water systems. This is a requirement of Australian Standard AS 3500-4.

RMC P, T & V Relief Valves are available in 15mm and 20mm configurations.

Application

The Pressure, Temperature and Vacuum Relief (P, T & V Relief) Valves should be installed at the heater. System inlet pressure should be no higher than 80% of the set pressure of the P, T & V Relief Valve. Please check with RMC to ensure which Pressure, Temperature and Vacuum Relief Valve is suitable for your application.

Materials

Body	Cast Gunmetal
Internal Parts	Brass and Stainless Steel
Seat Disc	Silicon
Pressure Spring	Stainless Steel
Thermal Element:	Wax-based

Features and Benefits

- Integral vacuum breaker device
- Offers protection against implosion during contraction cycle
- Auxiliary pressure relief device
- Prevents pressure building up in the event of a blockage in the drain line
- Female BSP thread on outlet thread prevents incorrect installation to the tank
- Plastic coated temperature probe prevents electrolysis of the probe outer casing
- Dezincification resistant
- Meets Australian Standard for potable water supply
- Sealed spring cavity prevents spring from seizing in the event of calcification
- Suitable for horizontal or vertical installation
- Individually tested and calibrated

Notes

The Drain Line must be compliant with AS 3500. Failure to provide adequate drainage may result in premature activation of blowout cage. The Blowout Cage in this valve cannot be replaced as it is rolled into the body of the valve.



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Performance Specifications

	LTV55	LTV575
Maximum Temperature:	99°C (All models)	
Kilowatt Capacity:	7.3 kW	40 kW
Vacuum Relief	50 L/min (All models)	
Inlet Thread:	15mm BSP Male Taper	20mm BSP Male Taper
Outlet Thread:	20mm BSP Female (All models)	
Pressure Settings Available (kPa)	Available in pressures from 65-280 kPa (All models)	

Dimensions

Model	Width (W)	Height (H)	Outlet (O)
LTV55	73	135	DN15
LTV575	73	135	DN20

