

Pressure, Temperature and Vacuum Relief Valves - Low Pressure

Description

RMC's Pressure and Temperature & Vacuum Relief (P,T & V Relief) Valves are safety controls which ensure that the temperature of the water in a pressurised unvented water heater cannot exceed 99° C in the event that the normal thermostatic controls fail. 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-temperature 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 15 mm and 20 mm configurations.



Features and Benefits

- ❖ Lower operating pressure range
 - » Ideally suited for lower working pressure hot water cylinders
- ❖ 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
 - » Valve designed to work effectively in either orientation
- ❖ Individually tested and calibrated
 - » Every valve is tested to ensure higher quality and performance

Application

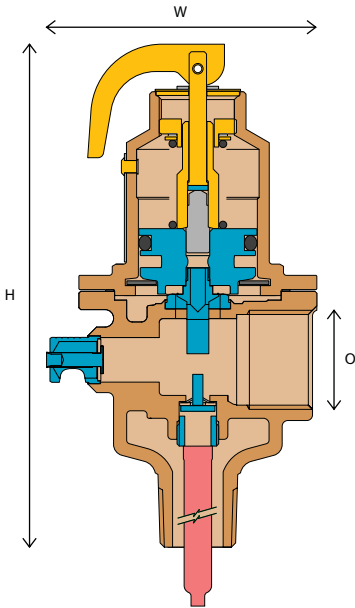
The Pressure, Temperature and Vacuum Relief (P,T & V Relief) Valves should be installed at the heater. System inlet pressure should be no higher than 80% of the set pressure of the P,T & V Relief Valve.

Please check with RMC to ensure that the Low Pressure Pressure, Temperature and Vacuum Relief valve is suitable for your application.

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Specification

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



Dimensions

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

NB: All dimensions in millimeters unless otherwise stated.

Product Notes

1. The drain line must be compliant with AS3500. Failure to do so 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.

Materials

Body	Cast gunmetal
Internal Parts	Brass and stainless steel
Seat Disc	Silicon
Pressure Spring	Stainless steel
Thermal Element	Wax-based

Catalogue Numbers

Model	Catalogue Number	Pressures Settings Available
LTV55	LTV501	65 - 280 kPa Please state required pressure when ordering
LTV575	LTV701	