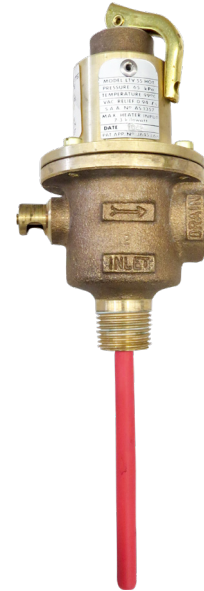


Pressure, Temperature and Vacuum Relief Valve

Scope of Use / Specification Sheet

RMC's Pressure, Temperature and Vacuum (PT&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.

PT&V Relief Valves are available in 15mm and 20mm configurations.



LTV501

Product Code

Model	Product Code
LTV55	LTV501
LTV575	LTV701

Materials

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

Description

PT&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.

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



Pressure, Temperature and Vacuum Relief Valve

Working Pressures and Temperatures

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

Application

PT&V Relief 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 AS/NZS 3500-4.

The valve should be installed at the heater. The system inlet pressure should be no higher than 80% of the set pressure of the PT&V Relief Valve. Please check with RMC to ensure which valve is suitable for your application.

Notes

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

Warranty

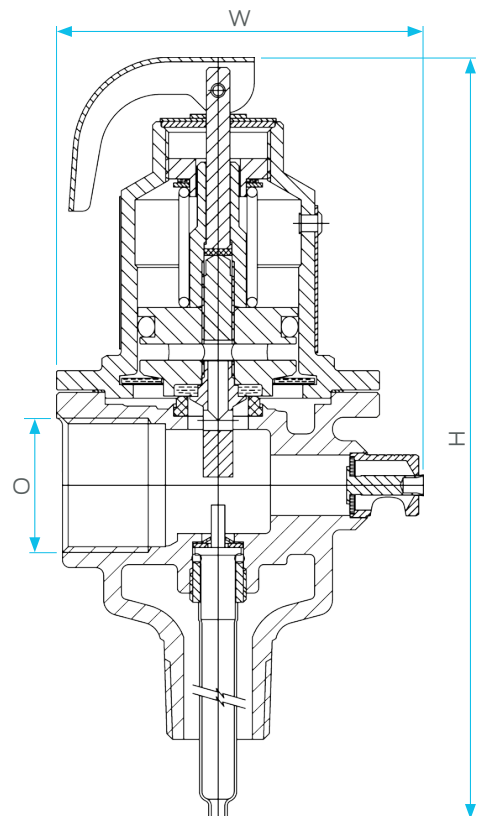
Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.

Visit www.rmc.com.au/warranty to view the warranty statement in full and for further important information.

Dimensions

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

Note: All measurements in mm unless otherwise stated.



Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.