

Pressure and Temperature Relief Valve

Description

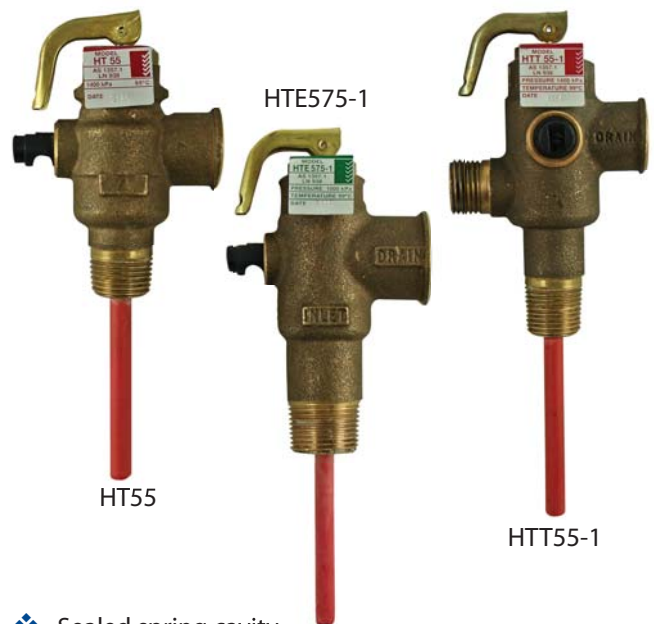
RMC's Pressure and Temperature Relief (P & T Relief) Valves are safety controls which ensure that the temperature of the water in a pressurised unvented water heater cannot exceed 99° C in the event that the normal thermostatic controls fail.

These valves may be used to guard against over-temperature and over-pressure hazards wherever water is stored in unvented containers. This is a requirement of Australian Standard AS 3500-4.

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

Features and Benefits

- ❖ 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



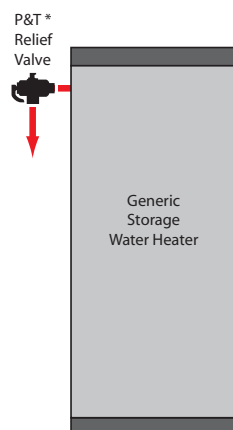
- ❖ Sealed spring cavity
 - » Prevents spring from seizing in the event of calcification
- ❖ Suitable for horizontal or vertical installation
 - » Valve designed to work effectively in either orientation
- ❖ Individually tested and calibrated
 - » Every valve is tested to ensure higher quality and performance

Application

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

Please ensure that the set pressure of the High Pressure Expansion Control Valve is suitable for use with the water heater it will be installed with. For more information refer to the RMC Valve Application Guide.

Pressure and Temperature Relief Valve Installation

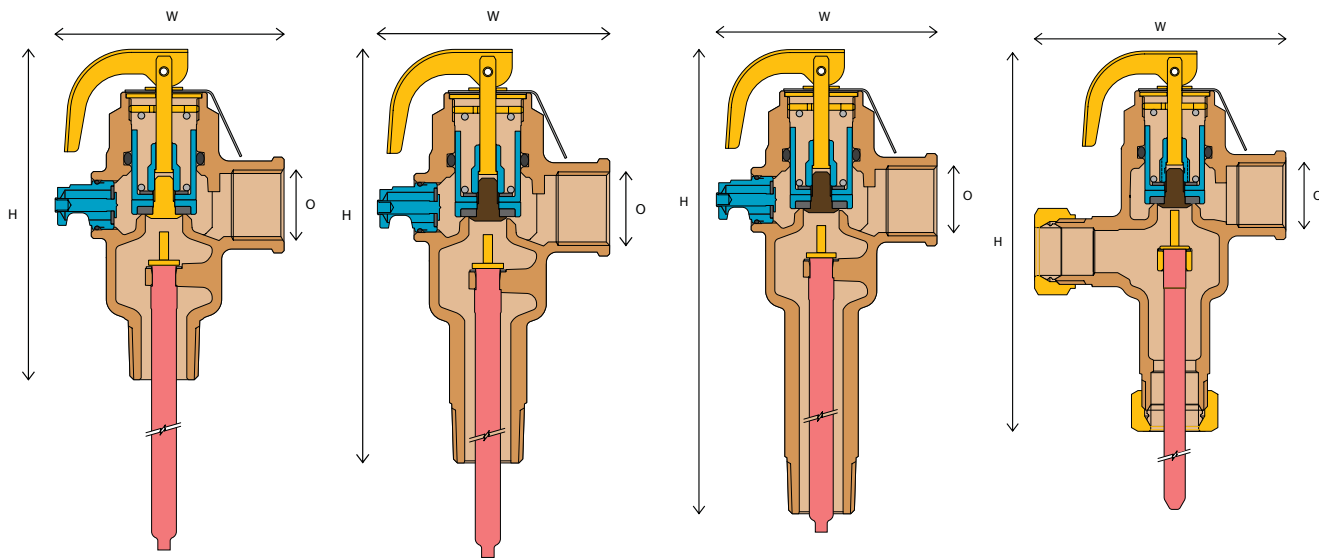


* Drain line must comply with AS3500.

Pressure and Temperature Relief Valve

Specifications

Model	Inlet (M.I.) mm	Outlet (F.I.) mm	Hot water take-off (compression)	Kilowatt Capacity	Maximum Temperature	Standard Pressure Settings Available (kPa)				
						500	700	850	1000	1400
HT55	15	15	-	10 kW	99° C	✓	✓	✓	✓	✓
HTE55-1	15	15	-	10 kW	99° C		✓	✓	✓	✓
HTE55-2	15	15	-	10 kW	99° C			✓	✓	✓
HTT55-1	15	15	15	10 kW	99° C		✓	✓	✓	✓
HT575	20	20	-	46 kW	99° C	✓	✓	✓	✓	✓
HTE575-1	20	20	-	30 kW	99° C			✓	✓	✓
HTE575-2	20	20	-	30 kW	99° C			✓	✓	



HT55/HT575

HTE55-1/HTE575-1

HTE55-2/HTE575-2

HTT55-1

Dimensions

Model	Width (W)	Height (H)	Outlet (O)
HT55	68	98	DN15
HTE55-1	68	121	DN15
HTE55-2	68	144	DN15
HTT55-1	73	121	DN15
HT575	71	99	DN20
HTE575-1	71	121	DN20
HTE575-2	71	144	DN20

NB: All dimensions in millimeters unless otherwise stated.

Product Notes

1. It is recommended that the easing lever be actuated every six months to prevent accumulation of mineral deposits that may impair valve operation. Lever should be operated smoothly as a sudden influx of water may cause the blowout cage to activate.
2. The drain line must be compliant with AS3500. Failure to provide adequate drainage may result in premature activation of blowout cage.

Materials

Body	Cast gunmetal
Internal Parts	Brass and stainless steel
Seat Disc	Silicon
Pressure Spring	Stainless steel
Thermal element	Wax-based
Blowout cage	Nylon

Catalogue Numbers

Model	500 kPa	700 kPa	850 kPa	1000 kPa	1400 kPa
HT55	HT501	HT503	HT505	HT507	HT511
HTE55-1	-	HTE501	HTE502	HTE504	HTE506
HTE55-2	-	-	HTE509	HTE511	HTE513
HTT55-1	-	HTT515	HTT516	HTT517	HTT518
HT575	HT701	HT703	HT705	HT707	HT711
HTE575-1	-	-	HTE701	HTE703	HTE705
HTE575-2	-	-	HTE710	HTE709	-