

Low Pressure Expansion Control Valves

Description

Low Pressure Expansion Control Valves limit the maximum pressure in a pressurised unvented water heater system by relieving excess pressure to the drain line. The valve is a functional control this type of application.

Low Pressure Expansion Control Valves should only be installed on the cold or inlet installation on a water heater as the valve is primarily intended to cope with the excess pressure generated during a normal heating cycle.

RMC *Low Pressure Expansion Control Valves* are available in 15 mm and 20 mm configurations.



Features and Benefits

- ❖ Increased heating efficiency
 - » *Releasing pressure at the inlet saves energy by not purging heated water*
- ❖ Auxiliary pressure relief device
 - » *Use of an expansion control valve for pressure relief leaves the pressure and temperature relief valve to perform only a safety valve function.*
- ❖ Female BSP thread on outlet thread
 - » *Prevents incorrect installation to the system*
- ❖ Sealed spring cavity
 - » *Prevents spring from seizing in the event of calcification*
- ❖ Dezincification resistant
 - » *Meets Australian Standard for potable water supply*
- ❖ Suitable for horizontal or vertical installation
 - » *Valve designed to work effectively in either orientation*

Application

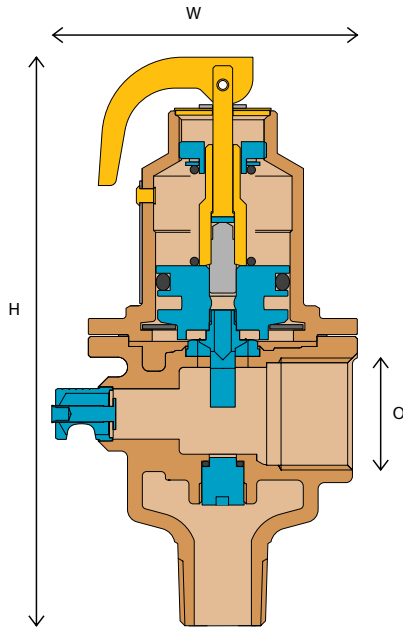
The RMC *Low Pressure Expansion Control Valve* range of relief valves are suitable for use on water heater inlets or for any application where expansion safeguards are necessary. RMC recommends installing an *Low Pressure Expansion Control Valve* as part of a complete inlet control system for water heater applications.

Please check with RMC to ensure that the *Low Pressure Expansion Control Valve* is suitable for your application.

Low Pressure Expansion Control Valves

Specifications

Model	Inlet (M.I.) mm	Outlet (F.I.) mm	Kilowatt Capacity	Maximum Temperature	Standard Pressure Settings Available (kPa)
LV50	15	20	11 kW	99° C	Available in pressures from 65-280kPa (All models)
LV75	20	20	11 kW	99° C	Available in pressures from 65-280kPa (All models)



Dimensions

Model	Width (W)	Height (H)	Outlet (O)
LV50 15 mm	73	135	DN15
LV75 20 mm	73	135	DN20

NB: All dimensions in millimeters unless otherwise stated.

Product Notes

- 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

Catalogue Numbers

Model	Catalogue Number	Pressures Available
LV50	LV501	65 - 280 kPa
LV75	LV701	Please state required pressure