

PS Range - Pressure Limiting Valves

Description

RMC's PS Pressure Limiting Valves control inlet supply line pressure to a preset maximum and remain in the open position if the pressure in the supply line falls below that preset maximum pressure.

PS Pressure Limiting Valves are ideal for installation with high pressure storage water heaters, water meter assemblies, water softeners etc. RMC's PS Pressure Limiting Valves are of a T-shaped design.

PS Pressure Limiting Valves are available in 15 mm, 20 mm and 25 mm configurations.



Features and Benefits

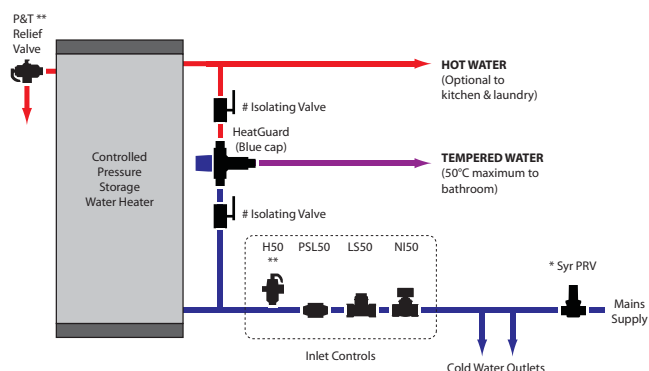
- ❖ High pressure and temperature tolerances
 - » Suitable for a wide variety of pressure limiting applications
- ❖ Dezincification resistant
 - » Meets Australian Standard for potable water supply
- ❖ Suitable for horizontal or vertical installation
 - » Valve designed to work effectively in either orientation
- ❖ Available in a range of fixed outlet pressure settings
 - » 350 kPa, 500 kPa and 600 kPa

Application

RMC PS Pressure Limiting Valves are suitable for use to limit supply pressure to below the set pressure of the expansion control valve and/or pressure and temperature relief valve on a high pressure storage water heater.

The PS range valves can be used interchangeably with the PSL range.

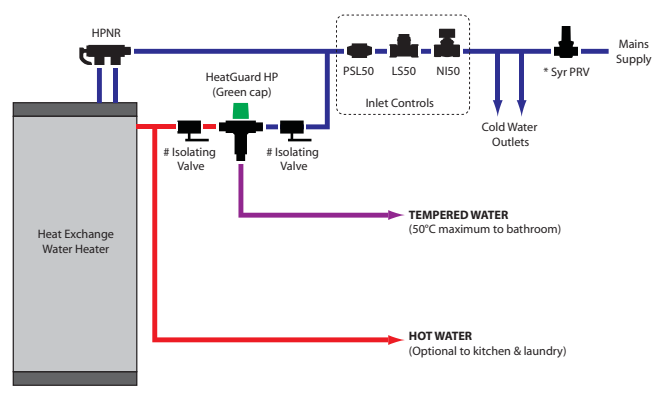
For Controlled Pressure Water Heater: Domestic Building Valve fitted at the Heater



Optional, recommended for ease of maintenance.

* When the tempering valve is fitted remote from the water heater, it is recommended the mains supply to the property be controlled by a Syr pressure reducing valve.

For Heat Exchange Water Heater: Domestic Building



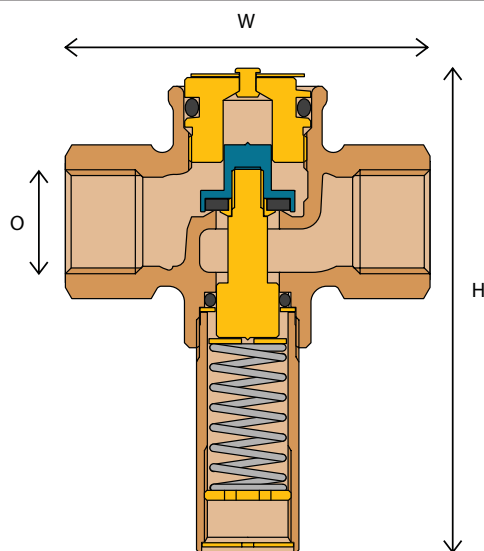
Optional, recommended for ease of maintenance.

* The Pressure Limiting Valve is not necessary when the mains supply to the property is controlled by a Syr pressure reducing valve.

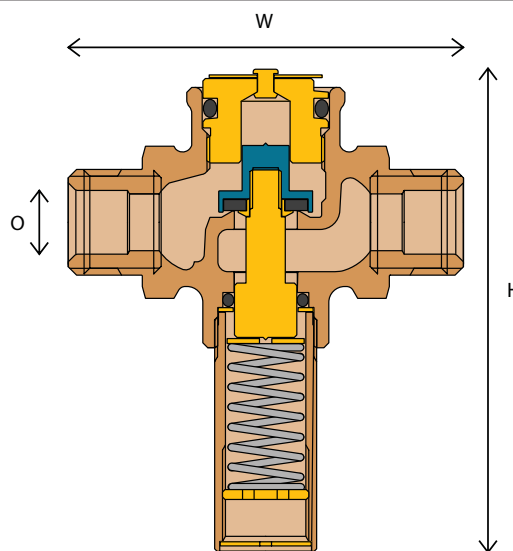
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Specification

Model	DN Size	Inlet/Outlet Fittings	Standard Pressure Settings Available	Maximum inlet pressure	Maximum Temperature
PS50C	15	Compression	350 kPa, 500 kPa, 600 kPa	1400 kPa	40° C
PS50	15	BSP (F.I)	350 kPa, 500 kPa, 600 kPa	1400 kPa	40° C
PS75	20	BSP (F.I)	350 kPa, 500 kPa, 600 kPa	1400 kPa	40° C
PS100	25	BSP (F.I)	350 kPa, 500 kPa, 600 kPa	1400 kPa	40° C



PS50/PS75/PS100



PS50-C

Dimensions

Model	Width (W)	Height (H)	Outlet (O)
PS50	98	74	DN15
PS50-C	98	80	DN15
PS75	114	80	DN20
PS100	144	103	DN25

NB: All dimensions in millimeters unless otherwise stated.

Flow Rates

Nominal Diameter	Flow Rate for 350 kPa Set Pressure
15 mm	45 L/min @ 700 kPa inlet
20 mm	80 L/min @ 700 kPa inlet
25 mm	150 L/min @ 700 kPa inlet

Product Notes

- This valve is of a piston based design and needs a vent hole to ensure operation. If this valve is exposed to high inlet pressures (e.g. Poor water conditions or under water hammer conditions), damage to the valve can result in water leaking through the vent hole. This hole should not be covered or filled in any way to prevent malfunction of this valve. It is recommended to not install this valve in enclosed spaces for this reason.

Materials

Body	Cast gunmetal/Brass
Internal Parts	Brass and stainless steel
Seat Disc	Silicon
Pressure Spring	Stainless steel
Piston	Acetal/Brass

Colour Code

Pressure Setting	Rating Plate Colour
350 kPa	Yellow print and text
500 kPa	Black print and text
600 kPa	Blue print and text

Catalogue Numbers

Model	350 kPa	500 kPa	600 kPa
PSL50 15 mm Female BSP	PSL501	PSL502	PSL503
PSLA50-A 15 mm Internal Flare	PSLA501	PSLA502	PSLA503
PSLC50-C 15 mm Male Compression	PSLC501	PSLC502	PSLC503
PSL75 20 mm Male BSP	PSL704	PSL705	PSL706
PSL75-C 20 mm Male Compression	PSL711	PSL712	PSL713