

PSL Range - Pressure Limiting Valves

Description

RMC's PSL Pressure Limiting Valves control inlet supply line pressure to a preset maximum to prevent over-pressure situation. The valve remains in the open position if the pressure in the supply line falls below that preset maximum pressure.

PSL Pressure Limiting Valves are ideal for installation with high pressure storage water heaters, water meter assemblies, water softeners etc. RMC's PSL Pressure Limiting Valves are of an in-line barrel design.

PSL Pressure Limiting Valves are available in 15 mm and 20 mm configurations.



Features and Benefits

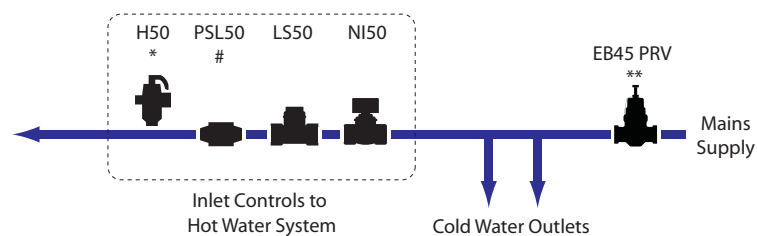
- ❖ High pressure and temperature tolerances
 - » Suitable for a wide variety of pressure limiting applications
- ❖ Stainless steel seat
 - » Extended service life
- ❖ Dezincification resistant
 - » Meets Australian Standard for potable water supply
- ❖ Suitable for horizontal or vertical installation
 - » 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 PSL 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 PSL range valves can be used interchangeably with the PS range.

Pressure Limiting Valve Installation (As part of an Inlet Control Group)



* Drain line must comply with AS3500

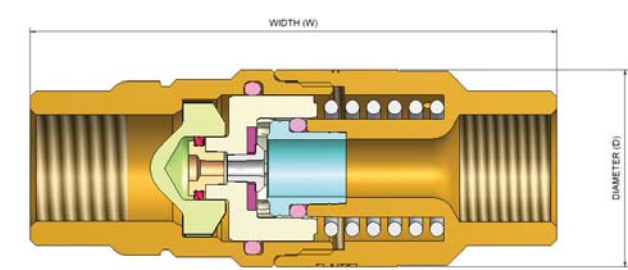
** Some states mandate pressure reduction at the mains supply to a domestic installation. Check with your local water authority to ensure compliance.

PS50 can be used in place of PSL50 where preferred

PSL Range - Pressure Limiting Valves

Specification

Model	DN Size	Inlet/Outlet Fittings	Standard Pressure Settings Available (kPa)	Maximum Inlet Presure	Maximum Temperature
PSL50	15 mm	BSP (F.I.)	350 kPa, 500 kPa, 600 kPa	2000 kPa	80° C
PSL50A	15 mm	Flare	350 kPa, 500 kPa, 600 kPa	2000 kPa	80° C
PSL50C	15 mm	Compression	350 kPa, 500 kPa, 600 kPa	2000 kPa	80° C
PSL75	20 mm	Male Tapered	350 kPa, 500 kPa, 600 kPa	2000 kPa	80° C
PSL75C	20 mm	Compression	350 kPa, 500 kPa, 600 kPa	2000 kPa	80° C



Dimensions

Model	Width (W)	Diameter (D)	Connection
PSL50	93	35	DN15
PSL50A	107	35	DN15
PSL50C	115	35	DN15
PSL75	93	35	DN20
PSL75C	93	35	DN20

NB: All dimensions in millimeters unless otherwise stated.

Flow Rates

Nominal Diameter	Flow Rate for 350 kPa Set Pressure
15 mm	50 L/min @ 700 kPa inlet
20 mm	70 L/min @ 700 kPa inlet

Product Notes

1. 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	Brass
Internal Parts	Brass and stainless steel
Seat Disc	Rubber
Pressure Spring	Stainless steel
Piston	Plastic

Catalogue Numbers

Model	350 kPa	500 kPa	600 kPa
PSL50 Female BSP	PSL511	PSL512	PSL513
PSL50-A Internal Flare	PSLA511	PSLA512	PSLA513
PSL50-C Male Compression	PSLC511	PSLC512	PSLC513
PSL75 Male Tapered	PSL714	PSL715	PSL716
PSL75-C Male Compression	PSL721	PSL722	PSL723