

PSL

Pressure Limiting Valves

Scope of Use/Specification Sheet

RMC's PSL Pressure Limiting Valves regulate the inlet supply line pressure to a preset maximum preventing over-pressure situations.



PSL50 & PSL75

Product Code

Model	350kPA	500kPA	600kPA
PSL50 Female Tapered	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

Description

PSL Pressure Limiting Valves are ideal for installation with high pressure storage water heaters, water meter assemblies, water softeners etc.

PSL Pressure Limiting Valves are of an inline barrel design. The valve remains open if the pressure in the supply line falls below the maximum preset pressure.

Valves are available in 15mm and 20mm configurations.

Materials

Body	DZR Brass
Internal Parts	DZR Brass and Stainless Steel
O-rings / seal	Viton
Spring	Stainless Steel
Piston	Polysulfone

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 fixed outlet pressure settings of 350kPa, 500kPa and 600kPa

Note

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.



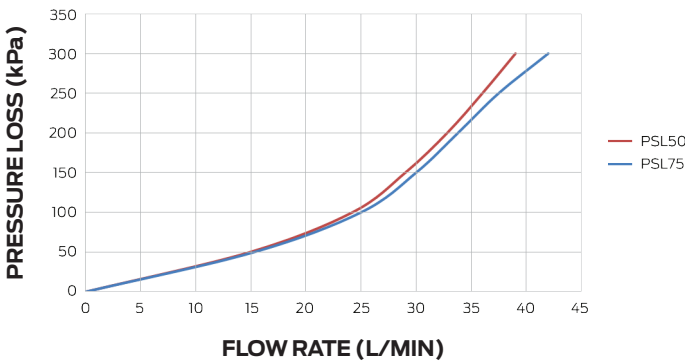
PSL Pressure Limiting Valves

Specifications

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

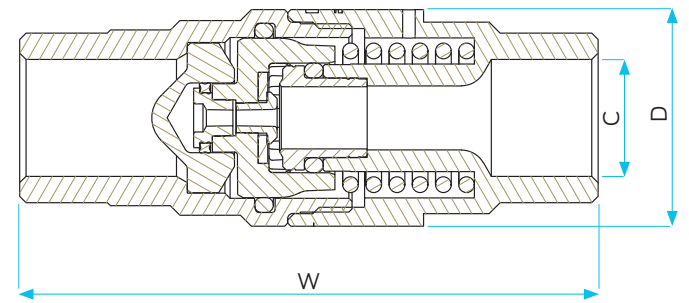
Flow rates

Nominal diameter	Flow rate (maximum)
15mm	50L/min at 700kPa inlet
20mm	60L/min at 700kPa inlet



Dimensions

Model	Width (W)	Diameter (D)	Connection (C)
PSL50	93	35	R $\frac{1}{2}$ "
PSL50A	107	35	G $\frac{1}{2}$ " INT Flare
PSL50C	115	35	G $\frac{1}{2}$ " (Cn)
PSL75	93	35	R $\frac{3}{4}$ "
PSL75C	93	35	R $\frac{3}{4}$ " (Cn)



Note: All measurements in mm unless otherwise stated.

Standards and Approvals



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.