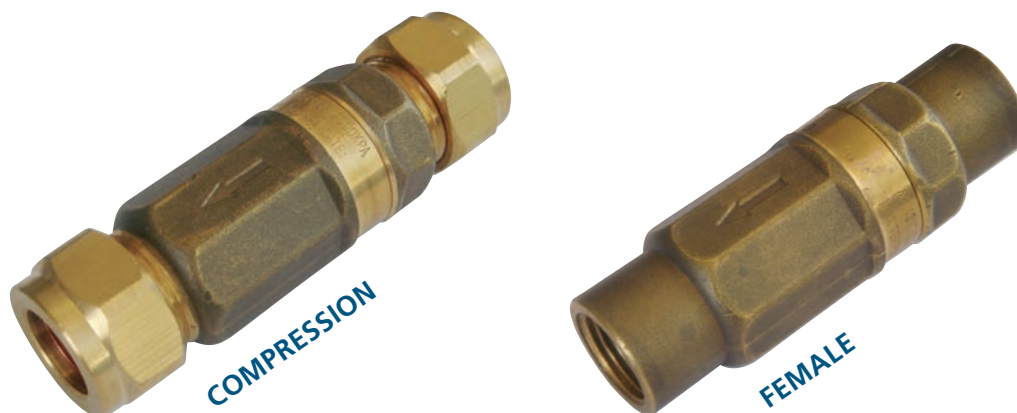
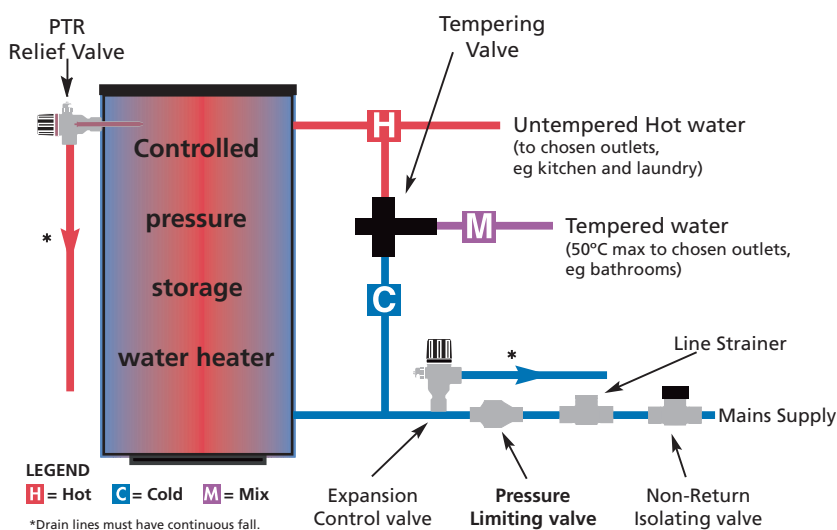


PRESSURE LIMITING VALVES

PLV



TYPICAL INSTALLATION OF CONTROLLED PRESSURE HOT WATER SYSTEM



PLV MODELS

MODEL	DN SIZE	INLET	OUTLET	PRESSURE SETTING KPA	LENGTH MM	COLOURED COODED BOX	FLOW RATE L/MIN
PLV 15/350C	15	1/2 Comp	1/2 Comp	350	95	Yellow	50
PLV 15/500C	15	1/2 Comp	1/2 Comp	500	95	White	50
PLV 15/600C	15	1/2 Comp	1/2 Comp	600	95	Blue	50
PLV 15/350F	15	1/2 BSP FI	1/2 BSP FI	350	95	Yellow	50
PLV 15/500F	15	1/2 BSP FI	1/2 BSP FI	500	95	White	50
PLV 15/600F	15	1/2 BSP FI	1/2 BSP FI	600	95	Blue	50
PLV 20/350C	20	3/4 Comp	3/4 Comp	350	95	Yellow	60
PLV 20/500C	20	3/4 Comp	3/4 Comp	500	95	White	60
PLV 20/600C	20	3/4 Comp	3/4 Comp	600	95	Blue	60
PLV 20/350F	20	3/4 BSP FI	3/4 BSP FI	350	95	Yellow	60
PLV 20/500F	20	3/4 BSP FI	3/4 BSP FI	500	95	White	60
PLV 20/600F	20	3/4 BSP FI	3/4 BSP FI	600	95	Blue	60



Australian Valve Group

INSTALLATION REQUIREMENTS

In addition to these instructions, Pressure limiting valves (PLV) must be installed in accordance with AS/NZS 3500 National Plumbing and Drainage Code and all Government requirements must be met.

INSTALLATION INSTRUCTIONS

- AVG valves should always be installed by a licensed plumber in accordance with National Plumbing and Drainage Code AS/NZS 3500 and comply with any Local Authority requirements.
- Flush all pipe work before installing valve.
- Install the PLV with the direction of flow, as indicated by the arrow on the valve body.
- Suitable for vertical or horizontal installation.
- Install the PLV downstream from an AVG NRI (non return & Isolating valve).
- Install the PLV downstream of a line strainer.
- The valve should be installed where it is easily accessible.
- The valve must not be buried in the ground or installed in a situation where it could be subject to freezing.
- Do not expose a PLV to a torch flame or heat. Excessive heat will destroy the seals and sealing components.

SPECIFICATION

- Suits inlet pressures up to 2000Kpa
- Operates at up to 80°C
- Available in female & compression connection
- Complies with AS 1357.2
- Factory set at 350Kpa, 500Kpa, 600Kpa.
- 15 & 20mm options
- The date of manufacture is marked on the body by a two-digit DIN code.
- Body made of DR Brass.

FUNCTION OF A PRESSURE LIMITING VALVE (PLV)

The AVG PLV is ideal for installation with high-pressure storage water heaters. When fitted to the inlet supply line to a water heater, its purpose is to control the inlet supply line pressure to a pre-set maximum, and to remain in the open position if the pressure in the supply line falls below the pre-set maximum. Other applications include dishwashers, washing machines (to reduce water hammer), tap mixers and water filtering systems.

INLET PRESSURE CONTROL

High pressure may cause excessive discharge and possible premature failure of the relief valve (See table on this page). The maximum water pressure relates to the period of lowest water usage, this usually occurs during the night.

In any mains pressure water heater installation, if the inlet water pressure exceeds 80% of the nominal set pressure of the operating relief valve, a Pressure Limiting Valve must be fitted to the cold inlet. If a cold water expansion control valve is fitted it will have a lower set pressure than the PTR valve and therefore will be the main operating relief valve.

WARRANTY

This valve is factory set and cannot be serviced or repaired in the field. The Australian Valve Group (AVG) will not honour any warranty claim where these instructions have not been followed, or where the valve has been tampered with, or subjected to obvious abuse.

VALVE RATING GUIDE		WITHOUT EXPANSION CONTROL VALVE		WITH EXPANSION CONTROL VALVE		
PLV COLOUR CODED BOX ■ 350kPa Yellow □ 500kPa White ■ 600kPa Blue	PTR Valve setting	PLV required if mains pressure exceeds:	Pressure Limiting Valve setting kpa	Expansion Control Valve setting kpa	PLV required if mains pressure exceeds:	Pressure Limiting Valve setting kpa
	kpa					
	850	680	500	700	550	350
	1000	800	600	850	680	500
	1400	1120	600	1200	960	600

DISCLAIMER

Every care has been taken in the preparation of these instructions, which have been issued as a guide only. Compliance with the requirements of local Authorities is required at all times. These requirements may change from time to time. Always be aware of the local requirements. Subject to any statutory obligations and manufacturers warranties no liability can be accepted for any losses, consequential or otherwise which may arise or be said to have arisen from relying upon the contents of this installation instruction as to the fitness of any particular product for any particular purpose, use or application. The Australian Valve Group Pty Ltd reserves the right to modify designs and specifications and to withdraw and introduce products at any time without notice.



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