



PRESSURE LIMITING VALVE

PART NO: PLV600F

FEATURES

- Ideal for protection of taps, pipe work and appliances from high supply pressures
- Cast DR brass body
- Superior flow rate: 85 litres/minute at 700kPa
- Pressure compensated
- Dry spring construction
- Stainless steel spring
- Colour identification: 600kPa (blue)
- Complies with AS1357.2
- StandardsMark Certification

SPECIFICATIONS

CONNECTIONS

Inlets: 15mm (1/2" BSP)
Female Inlet

Outlet: 15mm (1/2" BSP)
Male Outlet

Length: 94.5mm

Height: 41mm

PRESSURE

Factory set: 600kPa

Maximum Inlet
Pressure: 2000kPa

Flow rates at constant inlet pressure of 700kPa
PLV600F 85 litres/min

TEMPERATURE

Maximum opening
Temperature: 80°C

STANDARDS

Conforms to these
standards: AS1357.1

PRODUCT INFORMATION

OPERATION

- As water flows through the PLV, the pressure in the outlet chamber acts to close the jumper on to the valve seat, while the control spring opposes this closure.
- As the outlet pressure rises to the set pressure of the PLV, the jumper closes tightly on to the valve seat and shuts off any further flow.
- When a tap is opened, a pressure drop occurs in the pipes through to the outlet chamber of the PLV.
- This fall in outlet pressure causes the spring to push the jumper off the valve seat, opening the valve and allowing water to flow.
- Due to the design of the water-way in the PLV, the inlet pressure does not influence the jumper, therefore variations in inlet pressure have no effect on outlet pressure.

INSTALLATION

- **NEFA valves should always be installed by a licensed plumber in accordance with National Plumbing and Drainage Code AS/NZ3500.4.**
- The installation must also comply with any Local Authority requirements and the water heater manufacturer's requirements.
- A PLV should be installed if supply pressure is greater than 80% of the ECV (if fitted) or PTR pressure rating as stated in the table below.
- Suitable for vertical or horizontal installation.
- Install with the direction of flow in-line with the arrow on the valve body.
- Install the PLV at the entry to the property or after the Non Return Isolation Valve.
- The valve should be installed where it can be easily accessed.
- Ensure that sealing materials, e.g. thread tape or thread sealing paste, do not intrude into flow passages as this could cause obstruction to flow and failure of the valve.
- The valve must not be buried in the ground or installed in a situation where it could be subject to freezing.
- Never expose valves to a torch flame or heat, as it will destroy the seals and sealing parts.

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NEFA, LEADING WATER VALVE TECHNOLOGY

CUSTOMER SERVICE HOTLINE: 1300 00 NEFA (6332)

CUSTOMER SERVICE FAX: 1300 00 6333

WEBSITE: nefa.com.au

EMAIL: info@nefa.com.au

