

PRESSURE LIMITING VALVE

A pressure limiting valve is a legal requirement when installing any system permanently under constant hydrostatic pressure. These valves are designed to protect the filter unit, failure to fit this valve will void warranty of the unit and will make the installation non-compliant to Australian standards. These valves serve multiple functions to protect the system as listed below:

1. CAP THE MAXIMUM PRESSURE

The valve will limit the maximum amount of pressure that a system is exposed to, this will prevent damage caused by sudden pressure spikes or constant elevated feed water pressure.

2. PREVENT CONSTANT PRESSURE CYCLING

By acting as a check valve it will prevent constant pressure drops when a tap is used elsewhere in the house. Constant cycling of pressure can fatigue the housings and can result in cracks/leaks.

3. PREVENT BACKFLOW INTO THE MAINS

The valve will prevent water from running back into the mains supply if pressure is lost, this helps to prevent contamination of both the mains supply the filter unit.

4. HELP TO PREVENT WATER HAMMER

By preventing back flow from the unit and limiting the maximum pressure feeding into the unit the valve will help to prevent water hammer associated with the filter unit.

INSTALLATION

1. Cut the inlet line before the filter unit, leaving a minimum of 15cm of tubing either side of the cut. Ensure that you cut the tubing cleanly with no burrs, if the tube is flattened out at all roll the end between your thumb and finger to round it out again.
2. Connect your tubing to the pressure limiting valve taking care to observe the flow arrow on the valve, the arrow should point towards the filter system. The valve has quick-fit fittings, simply push the tube into the fittings until it drops in and seals fully. If the fitting leaks you may need to push it in further. The connection points should be plumbed as per the diagram below.

