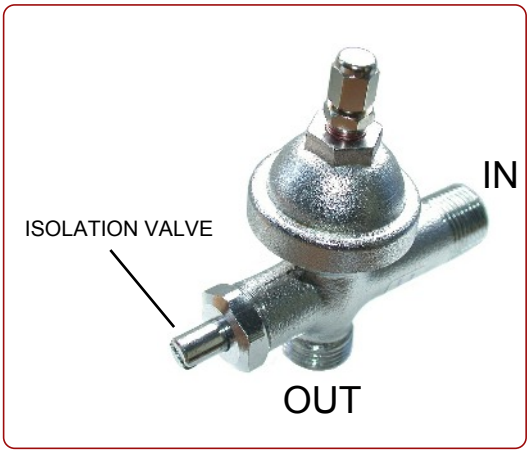
WATER HAMMER ARRESTER

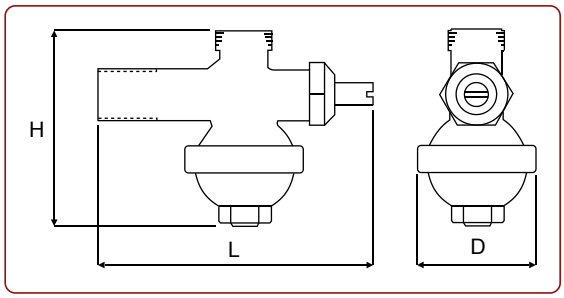
ANGLE STYLE 1/2” & 3/4”

P13

DESCRIPTION

- Installation in any position.
- Suitable for water up to 110 °C.
- Air bag pressure: 1.5 Bar.
- Nickel plated brass body.
- Diaphragm: NBR.
- Screwed port connection: 1/2” or 3/4” BSP
- Valve test pressure: 12 Bar.
- Ideal for domestic applications.

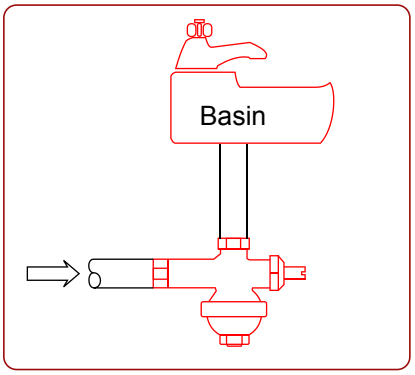




SPECIFICATIONS & DIMENSIONS

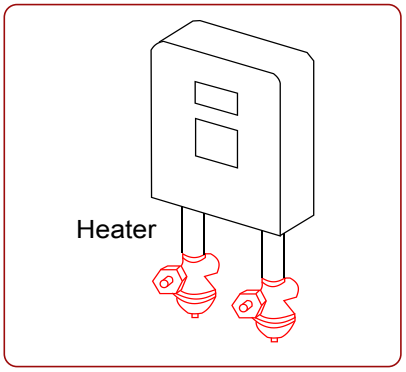
Model	A		B	C		Test Pressure Bar	Weight Kg	Dimensions mm		
								L	H	D
P13		20	H/I		3/4”	12	0.55	120	95	45

P13 APPLICATIONS



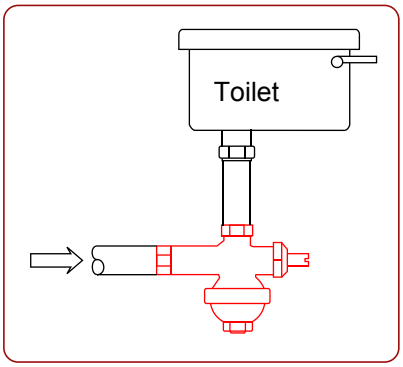
Wash Hand Basin

Water Hammer is caused as modern taps are fast closing, causing a pressure wave. Installation of the P13 can prevent this effect.



Water Heater

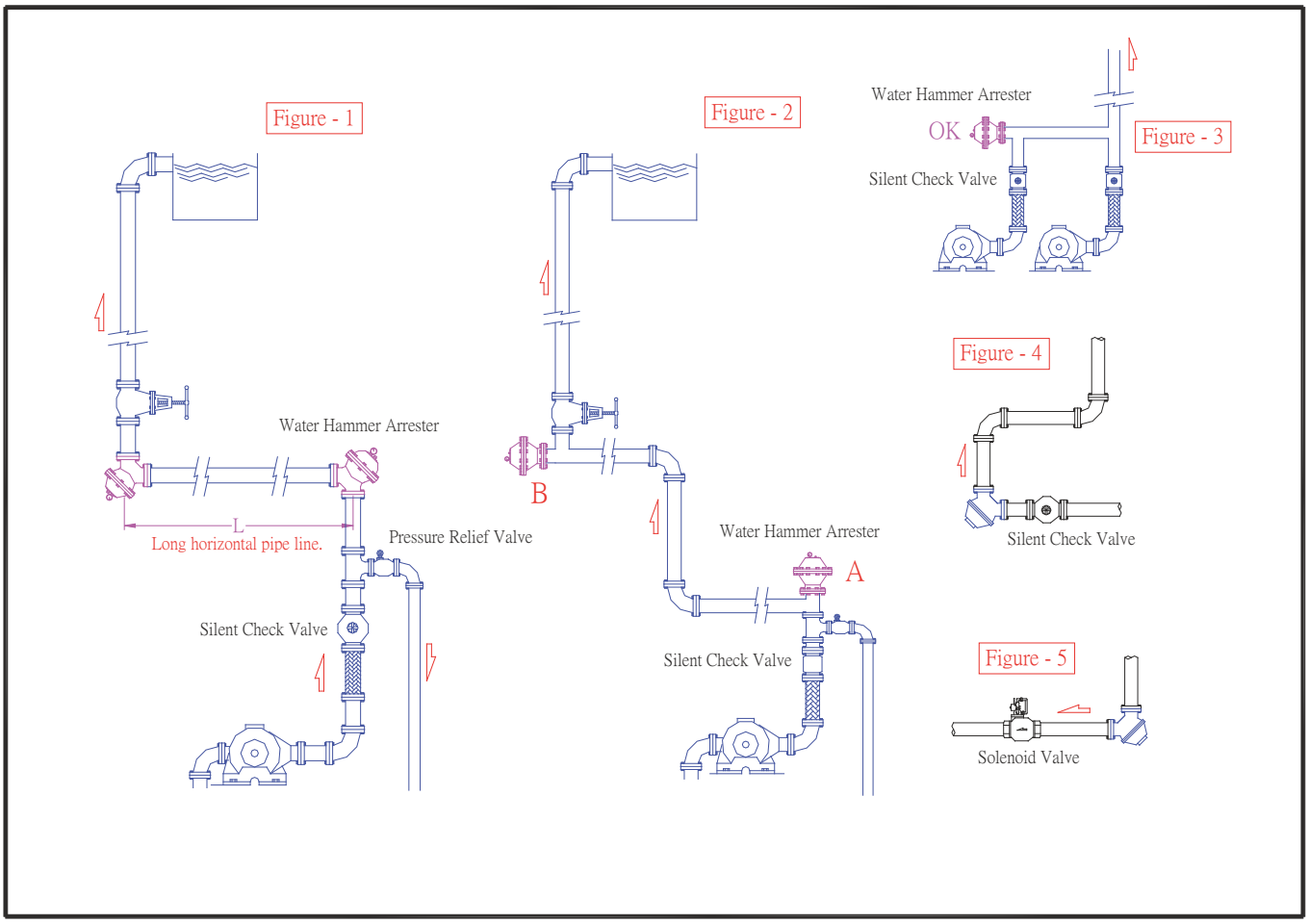
Water Hammer is caused by the complicated internal piping of the water heater. The pressure becomes unstable when the unit is turned on and off. Installation of the P13 can prevent this effect.



Toilet Cistern

Water Hammer is caused by the water level, as it approaches the closure of the float valve. The resulting pressure wave can cause water hammer. Installation of the P13 can prevent this effect.

Installation of Water Hammer Arrester



- Figure 1. This illustrates, the water hammer effect taking place above a check valve so installing a water hammer arrester can prevent the water hammer effect. If the length of horizontal pipe is longer than 50 meter in the figure 1, installing a water hammer arrester at the corner between the horizontal pipe and vertical pipe can avoid the water hammer effect.

- Figure 2. If the distance between A and B is longer than 50 meter, installing a water hammer arrester at B can reduce the water hammer effect.

- Figure 3. Two pumps are used alternately, installing a water hammer arrester at horizontal pipe can avoid water hammer effect.

- Figure 4. Here is a pipe line with a serious water hammer effect, due to the many bends. Installing a check valve at the lowest point and installing a water hammer arrester above check valve can reduce the noise and vibration made by the water hammer effect.

- If there are gate valves like solenoid valves or air operated valves which close very fast and produce the water hammer effect, installing a water hammer arrester at the inlet of the valve can reduce the noise and vibration made by the water hammer effect.

The air chamber is pressurised by means of a Schrader Type Valve, similar to those found on a car or bicycle tyre.

Standard pressure is around 2.5 - 3 bar (36-44 psi)

A standard bicycle or car pump, preferably with a gauge fitted ,can be used to top up the pressure.

The pressure should be checked every 6 months.