

Water Piping Illustration

Pressure sustaining valve is utilized in the piping for users. It primarily matches up with the minimum working pressure inside the tap water pipe and maintains minimum standard working pressure at any point inside the pipeline during peacetime and emergency.

Pressure Sustaining Valve



Water meter

Ground Level

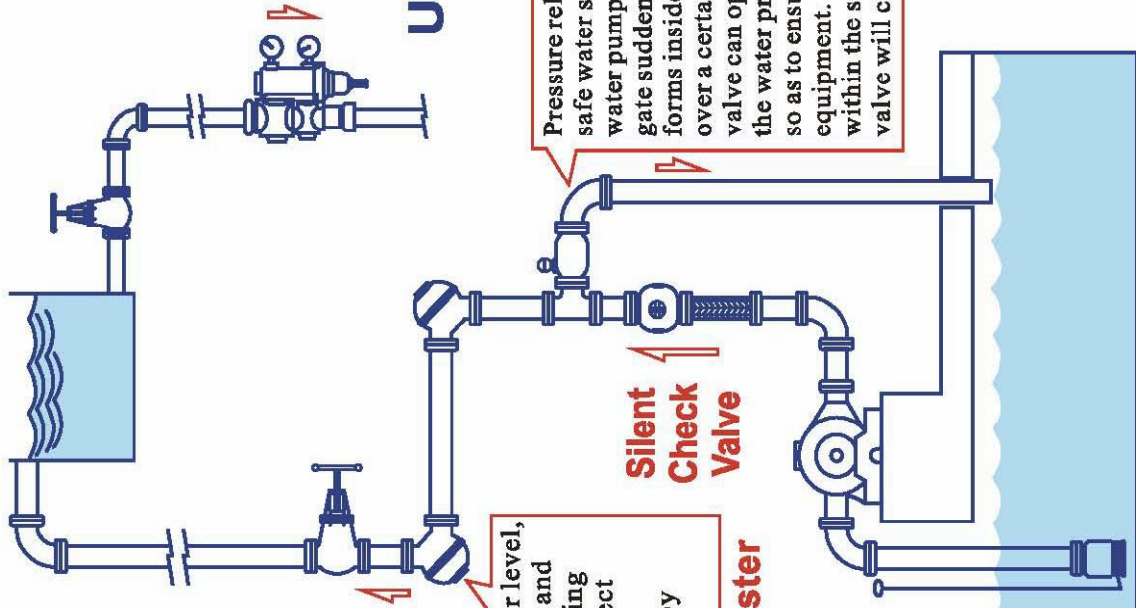
When the water approaches full water level, float valve will switch between open and close state due to fluctuation of floating ball, which means water hammer effect is generated (vibration and noise). This phenomenon can be prevented by using a water hammer arrester.

Water Hammer Arrester

Filter

Float Valve

When using float valve, in order to save pool space and for easy maintenance, the valve should be placed outside the pool, with the float ball switch placing at the lowest point in pipeline, consequently impurities deposited and cause to malfunction. It's recommended that a filter should be installed to prevent pipe blocking.



Pressure Reducing Valve Set

User

Pressure Relief Valve

Pressure relief valve is mainly for sustaining safe water supply pressure in the pipe. When water pump stops functioning or pipeline gate suddenly closes, abnormal pressure forms inside the pipe. As the pressure gets over a certain safety limit, pressure relief valve can open automatically and releases the water pressure above the safety limit, so as to ensure the safety of pipeline and equipment. When the pressure turns back within the safety limit, the pressure relief valve will close slowly.

Silent Check Valve