Steam “Safety” or Hot Water “Relief” Valve

INSTALLATION REQUIREMENTS FOR BOILERS

Safety or relief valves shall be installed at the top of the boiler with the spindle of the valve in an upright vertical position. The inlet and discharge piping shall be as short and direct as possible. Safety and relief valve set pressure and capacity are determined by data from the manufacturer's nameplate or stamping on the boiler.

Safety or relief valves shall be installed in an upright vertical position as shown.

Discharge Piping
  * Discharge piping shall not restrict the flow from the safety or relief valve.
  * Discharge piping diameter shall be the same size or larger than the discharge opening of the safety or relief valve.
  Distance from floor or air gap no greater than 6 inches.

Incorrect Installation

Safety or Relief valves shall not be piped in the horizontal position as shown at right.

Steam safety and hot water relief valves that are installed on boilers shall be identified with the ASME “V”, “HV” or National Board “VR” symbol.