HD Pilot-Operated Regulating Valve
HD Regulator & Pilot Combinations

HD Main Valve
with
PP-Pressure Pilot
Spring-Loaded

Shown with PP Pressure control Pilot. Spring-loaded pressure pilots are the most typical method of controlling downstream pressure in Steam Systems. Adjustment screw on top of pilot controls downstream steam pressure.

HD Main Valve
with
PT-Temperature Pilot

Shown with Temperature control Pilot: The PT Temperature Pilot will control the flow of steam flowing through the HD valve based on the temperature of the sensing bulb. The liquid-filled sensing Bulb is available in standard 8 ft and 15 ft capillary lengths. Other lengths available.

HD Main Valve
with
PA-Pressure Pilot
Air-Loaded

Shown with Air-loaded pressure control pilot. Air-loaded pressure pilots are used to reduce and control pressure in steam systems. They are used as an alternative to the more common spring-loaded pilot. The PA Air-loaded pressure pilot allows for remote adjustment of the valve using a small air regulator to alter the air pressure to the top of the pilot.

HD Main Valve
with
PS On/Off Control
Solenoid Pilot

Shown with PS ON-OFF (solenoid Pilot) control pilot: The PS ON-OFF (solenoid) Pilot allows for the HD valve to be opened and closed using an electrical switch to activate a small solenoid valve. The PS Pilot can be used for system automation or as a safety shut down device. The ON-OFF pilot is most often used in conjunction with a Pressure or Temperature control pilot.
The PT Temperature Pilot will maintain the proper flow of steam through the main valve to keep the process it’s controlling at the proper temperature. The PP pressure Pilot will LIMIT the downstream pressure to a maximum value. This combination of Pilots is very convenient when the Steam Pressure in the supply line is greater than the maximum pressure allowed to the process heat exchanger. This eliminates using a separate Pressure reducing valve prior to the temperature control valve.

NOTE: When two or more pilots are used on the same valve: An additional Pilot Adapter for Second Pilot is required: Use part number: BADAPTER

The PP Pressure Pilot will maintain the desired downstream set pressure as long as the PS ON-OFF (solenoid) Pilot is in the ON position. Available in either Normally-ON or Normally-OFF configuration; an electrical signal turns valve OFF or ON.

The PT Temperature Pilot will maintain the proper flow of steam through the main valve to keep the process it’s controlling at the proper temperature as long as the PS ON-OFF (solenoid) Pilot is in the ON position. Available in either Normally-ON or Normally-OFF configuration; an electrical signal turns valve OFF or ON.

The PT Temperature Pilot will maintain the proper flow of steam through the main valve to keep the process it’s controlling at the proper temperature as long as the PS ON-OFF (solenoid) Pilot is in the ON position. The PP Pressure Pilot will LIMIT the downstream pressure to a maximum value.

NOTE: When two or more pilots are used on the same valve: An additional Pilot Adapter for Second Pilot is required: Use part number: BADAPTER