



# TAKE THE PRESSURE OFF YOUR UTILITY BILL

Enhance the water flow and pressure control in your building with the Honeywell VPI Series Pressure Independent Control Valves and Actuators.

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PICV Brochure

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**Honeywell**

# ONE SOLUTION FOR FULL WATER FLOW CONTROL

It's only natural to always be on the lookout for new ways to achieve stable room temperature, superior comfort, less maintenance, and easier installations – along with improved energy efficiency and costs for your business. The new Honeywell VPI Pressure Independent Control Valves and Actuators integrate the flow, pressure, and temperature control functions in one single valve – all while ensuring that each valve-controlled, thermal unit is always supplied with its required flow.

The Pressure Independent Control Valves and Actuators come with an innovative, self-adjustment feature that allows continuous self-balancing in all valve positions. Honeywell VPI series combines an externally adjustable automatic balancing valve, a differential pressure control valve and a full authority modulating control valve and makes it simple to have full control of the water flow in your building.

Selecting, installing, and commissioning Honeywell VPI Pressure Independent Control Valves and Actuators means a quick and cost-effective process. The valves feature an integrated flow regulator with a rolling diaphragm that delivers flow balancing and control functions in one package. And there are no CV calculations required – just pick the valve that matches your flow requirements and we take care of the rest.

## 3 IN 1

The Honeywell VPI series combines three functions into one valve body



**CONTROL VALVE**  
*Temperature control*



**DIFFERENTIAL PRESSURE CONTROLLER**  
*Protects against pressure fluctuations*



**MAX. FLOW LIMITATION**  
*Avoids chilled/ hot water wastage*



## BENEFITS



### COST AND ENERGY-EFFICIENT

- Enhances energy savings thanks to optimal control, lower flow, and pump pressure
- Speeds up response times and increases system stability
- Internal parts can be accessed without removing the valve housing from the piping lines
- Maintains system balance perfectly, under all conditions, increasing energy efficiency



### ACCURATE FLOW CONTROL

- Ensures the correct water flow for each unit automatically
- Regulates flow with precision and empowers optimum sizing of chillers, boilers, and pumps
- Automatic balancing eliminates overflows, regardless of fluctuating pressure conditions in the system



### EASY TO INSTALL AND USE

- Simple, field-adjustable settings that accommodate any design flow in the flow range
- 'Sealed' setting means the actuator covers the setting and protects against tampering
- Two-way, modulating solution that accepts either digital or analog input signals



### FLEXIBLE PERFORMANCE

- Compact, one-unit solution that includes the modulating control valve, the dynamic flow limiter, and the differential pressure control valve
- Full range of sizes from 15 mm (1/2") to 250 mm (10")
- High flows with minimal required differential pressure
- Available electrical actuators with selectable control modes, 'Linear' or 'Equal' percentage
- No balancing is required when further stages are added to the system, or if the dimensioned capacity is changed.

The Honeywell pressure independent control valve (PICV) is used in **heating and cooling systems for air handling units, fan coil units, chilled ceilings, zone control or other terminal unit applications** – helping you fully and precisely control the water flow in your building.



**For more information**

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FUTURE  
IS  
WHAT  
WE  
MAKE IT**

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