

SIEMENS

Ingenuity for Life

PICVs (pressure-independent combi valves) prevent oversupply and reciprocal hydronic interference, reducing energy consumption and operational costs.

Additionally, PICV enabled precise temperature control improves the comfort and wellbeing of building users. Siemens recommends PICVs especially for radiators, chilled ceilings, VAV and fan coil units.



Pressure Independent Control Valves (PICV)



Acvatix- Accurate & Energy Efficiency

Plan and install in record time

Globe valves are used for flow shutoff, flow regulation or fluids mixing in the majority of HVAC applications. Siemens recommends globe valves especially for floor heating, zone control, heating groups, district heating and boiler plant applications.

Acvatix globe valves provide you with:

- Reliability rates and long service life, even in extreme temperature and high pressure environments
- Fast installation
- Visible operating and position displays for easy troubleshooting during servicing
- Simplified system modernization with backwards compatibility
- Siemens HVAC Lab product quality certification

Distributor:



Thai-Phill Services Co., Ltd.

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New Combi Valves for enhanced comfort & greater energy Efficiency



Siemens Control Valves and Industrial Valves

Why PICVs?

Simple: **Pressure-independent combi valves (PICVs)** make your daily work easier – planning, installation or commissioning – while also ensuring enhanced occupant comfort and low energy costs.

PICVs combine the following into one valve body:

A control valve

- A differential pressure controller that shields against pressure fluctuations in the hydronic network
- A presetting scale for the desired maximum volumetric flow
- Pressure measuring points for differential pressure measurement.

Properly equipped, PICVs prevent oversupply and reciprocal hydronic interference.

Magnetic valves are valves with a pre-installed magnetic actuator. They are used for the shutoff and mixing of fluids (water, water with antifreeze, heat transfer fluid etc.) and steam in nearly all HVAC applications. Magnetic valves are also ideal for applications with even the most stringent requirements, including industry-related areas such as engine test benches. Siemens recommends magnetic valves especially for domestic hot water and chiller plants.

Your benefits with Acvatix:

- Energy efficiency
- Rapid, magnetic valve control in under two seconds
- Precise drop-by-drop control, for high efficiency and stable control conditions

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Great services value

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Acvatix Valves & Actuators - HVAC

Acvatix™ is a versatile range of valves and actuators designed for ease of use, superior control accuracy, and energy efficiency.

The Acvatix product range can help you to fulfill nearly any control and hydronic requirements associated with the generation, distribution and use of heating and cooling.

The Acvatix range offers hermetically sealed mixing, diverting, and 2-port valves for refrigeration plants. They also include refrigerant valves for expansion, hot gas and suction throttle applications. All **Acvatix refrigerant valves** save energy in the refrigeration plant, for example through their accurate superheat control also in part load situations.

Your benefits with Acvatix:

- Fast and simple valve-actuator coupling, Easy to install and service
- Large dimensions for the highest volumetric flows
- Energy savings with accurate superheat control, fine stroke resolution and <1 second positioning time
- Vibration-free operation
- Safety feature for power failure
- Control of dynamic processes
- Visibility of operating status and position displays for easy service troubleshooting.
- High degree of environmental compatibility

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Magnetic Valves



Control Ball Valves



Control Ball Valves

Efficiency, reliability and longevity

Acvatix actuators for globe valves and PICVs consist of a comprehensive range of electrohydraulic, electromotoric, thermostatic and thermal actuators that can perform in a broad range of applications. For every type of actuator the suitable Acvatix valves are available.



Control Ball Valves

Designed for efficiency, with precise control and leak-free operations, **control ball valves** are used for continuous and precise control in closed circuits. Siemens recommends control ball valves especially for air handling units and the 6-port control ball valves for heated and chilled ceilings.

Acvatix benefits:

- Simple handling for quick, error-free installation
- Highly efficient, with low torque and friction, and fine kvs graduation
- Broad range of actuators and customer-specific adaptations
- Flexible connection with internal and external thread screw fittings for the 6-port control ball valves

Magnetic valves are valves with a pre-installed magnetic actuator. They are used for the shutoff and mixing of fluids (water, water with antifreeze, heat transfer fluid etc.) and steam in nearly all HVAC applications. Magnetic valves are also ideal for applications with even the most stringent requirements, including industry-related areas such as engine test benches. Siemens recommends magnetic valves especially for domestic hot water and chiller plants.

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- Energy efficiency
- Rapid, magnetic valve control in under two seconds
- Precise drop-by-drop control, for high efficiency and stable control conditions

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