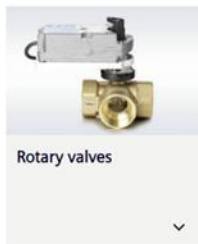
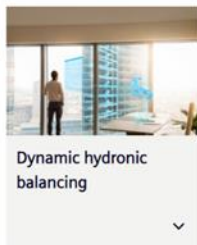

Valves and actuators

Acvatix hydraulics. Everything under control.

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.



- **intelligent valves**

Makes it a snap

Intelligent Valves are self-optimizing dynamic valves with cloud connection used in heating groups and air handling units. They balance and control flow, measure energy, and provide data for energy monitoring and system optimization.

Intelligent Valves offer benefits:

Facilitate work

Save time

Ensure comfort in buildings

Increase energy efficiency

- **Dynamic hydronic balancing**

Do it right: Dynamic hydronic balancing

We have a responsibility to create buildings that are better for people and that are sustainable for the environment – and that means transforming buildings into environments that care.

- **PICV**

Hydronics made easy

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.

Acvatix product benefits:

Simple planning and implementation of energy-efficient HVAC systems

Flexible planning thanks to continuous volumetric flow ranges and large differential pressure ranges

Simplified dimensioning, presetting, hydronic balancing, and commissioning

Easier system extension with independent pressure control

- **Globe valves**

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

- **Control ball valves**

An excellent choice for your business

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 valve**

Solid conditions with accurate control

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

- **Rotary valve**

Close off and mix reliably

Rotary valves – ball valves, slipper valves, butterfly valves – are primarily used in energy generation and distribution. Typical applications are if an additional boiler needs to be connected, or for the switching over of storage tank charging. Siemens recommends rotary valves especially for cooling towers.

Acvatix benefits:

Fast and simple valve-actuator coupling

Large dimensions for the highest volumetric flows

Visibility of operating status and position displays for easy service troubleshooting

- **Refrigerant valve**

Hermetically sealed for highest safety

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:

Hermetically sealed refrigerant valves – also in IP65 design

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

Easy to install and service

High degree of environmental compatibility

- **Actuator for globe valve and PICV**

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.

- **Actuator for rotary valve**

Rotary actuators for accurate control

The Acvatix range offers actuators for butterfly, mixing and slipper valves as well as damper actuators for ball valves. They cover a wide application area, and for every type of actuator the suitable Acvatix valves are available.