



**SIEMENS**  
Ingenuity for life

## Intelligent Valve – makes operation a snap

The self-optimizing dynamic valve  
with cloud connection

[siemens.com/intelligentvalve](https://www.siemens.com/intelligentvalve)

The quest for energy efficiency and high comfort is a common concern in building operation. That is why Siemens developed the Intelligent Valve. In every project phase, it makes your work easier, saves you time, and guarantees both room comfort and maximum energy efficiency.



Intelligent  
Devices by  
Siemens

### Snap! And it's always efficient

Optimize the plant – without on-site technicians. The Intelligent Valve continuously monitors temperature, flow rate, valve position and output – and adapts the valve characteristic to the heat exchanger. This ensures that the plant always operates as efficiently as it did on the day it was commissioned. This means significant savings on energy costs with no additional effort.

### Snap! And building users enjoy total comfort

No need to sacrifice room comfort. The Intelligent Valve isn't just self-optimizing, it's also dynamic. It balances all fluctuations in pressure to ensure a stable room climate and a high level of comfort. This is also highly efficient and leads to significant reduction in energy use, which can be checked at any time using Building Operator, the cloud application from Siemens. Energy monitoring is as easy as it gets!

### Snap! And the fault's corrected

Solve problems before they occur. The data recorded by the Intelligent Valve is stored in the Building Operator and displayed very clearly. In case of irregularities or complaints, you can simply check where the problem is and correct it immediately. Alternatively, you can also ask for online support from a technician without having to visit the site. This way, you can ensure a smooth operation – consistently and in the long term.

### Snap! And it's always up-to-date

Keep your plant up-to-date. Due to the cloud connection and firmware updates, the Intelligent Valve is always up-to-date. Thanks to intelligent features such as the digital twin in the Building Operator and the ability to adjust settings via remote access: You can always react immediately. Even changes in building use or plant expansions are not a problem anymore.

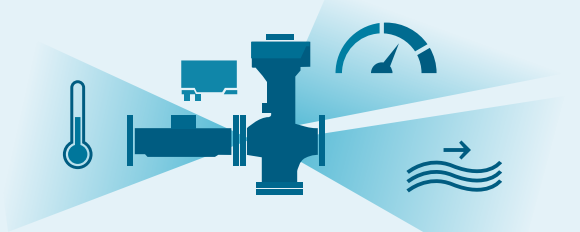
# It's just a snap: simple, flexible, transparent

## Intelligent Valve. Your benefits during operation:

- Maximum efficiency with minimal effort
- Operation always as efficient as on the day of commissioning
- High comfort, low energy costs
- Energy monitoring
- Troubleshooting via remote access
- Easy plant expansion and changes in building use

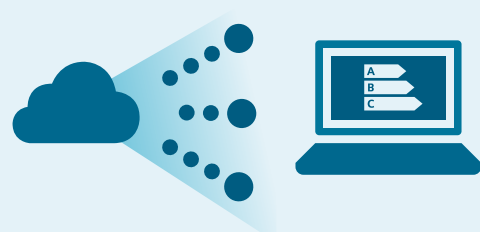


## Automated optimization



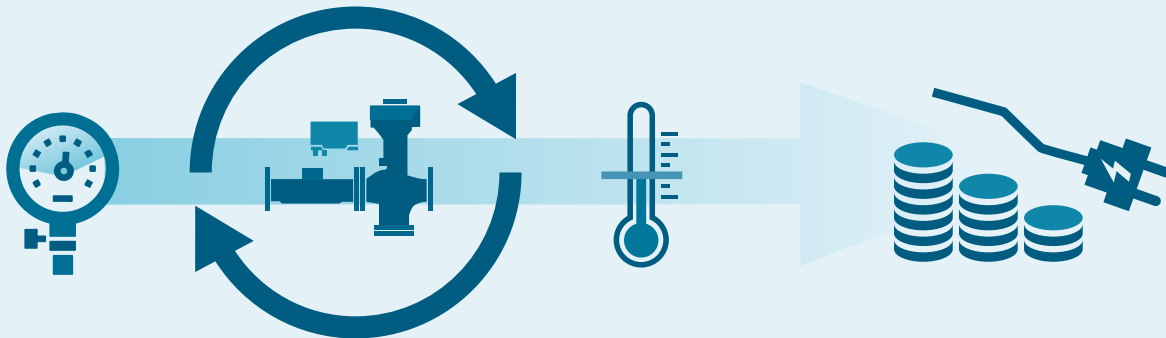
Does the flow characteristic fit the heat exchanger?  
If not, the valve will adapt.

## Cloud-based energy monitoring



Proven efficiency: Values for systematic comparisons can be retrieved from the Building Operator.

## Dynamic hydronic system



The valve dynamically compensates for pressure fluctuations –  
for optimum room comfort as well as high energy and cost efficiency.