

Power Your Energy Management

Watts Intelligent Control Valve



en.watts.cn

WATTS®

Watts Intelligent Control Valve

Watts W-SCBV series intelligent control valves serve for fluid control applications such as central air conditioning, heating, water treatment, and etc. It is a set of pressure-independent products integrated with sensor technology, intelligent actuator and control valve. W-SCBV series intelligent control valve, conducts the advanced PID algorithm with comparing the measured value with target value of signals (flow rate, energy, temperature) from DDC or PLC by intelligent actuator, in order to adjust the valve opening and to realize the pressure-independent control.

Watts intelligent control valve can be applied in where high frequency temperature changes or energy consumption has obvious peak and valley value. The intelligent control valve can directly detect the actual temperature, energy and other data, and make real-time adjustment to keep the flow stable. Intelligent control valve can maximum the strength in applications such as subway, railway station, airport, commercial complex, hotel, hospital, data center, electronic workshop, central heating station, etc.

Watts Helps Our Partners



Designer Convenient design & simple selection ; wider flow coverage



Owner High flow capacity, energy saving



Operation Equipped with automatic alarm settings; professional after-sales support



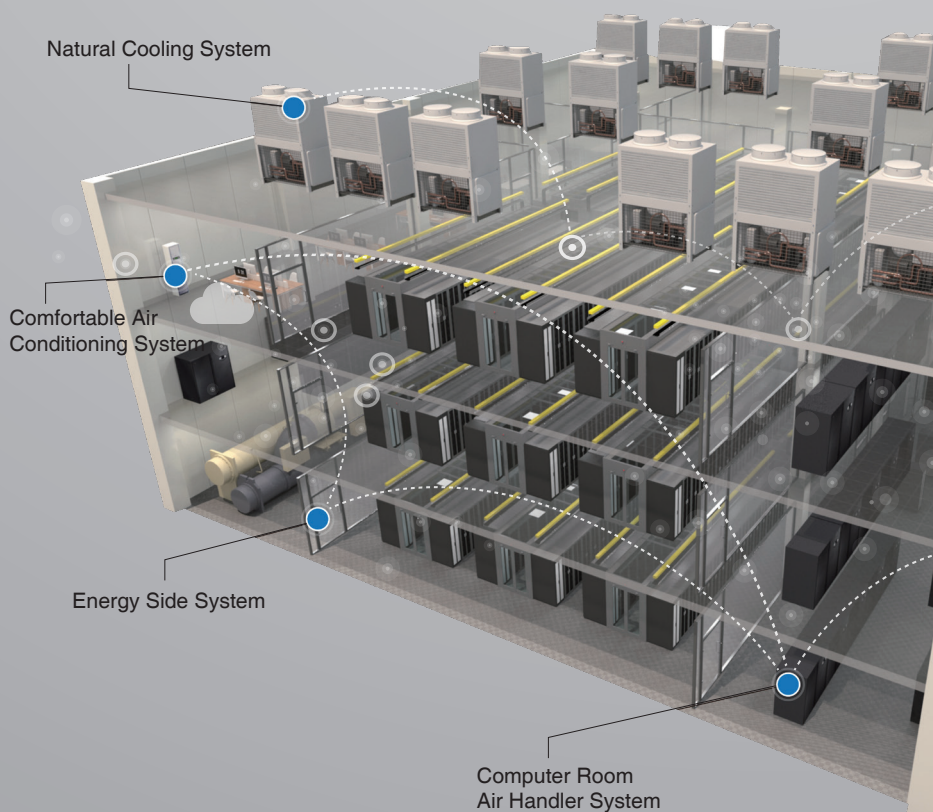
Intelligent



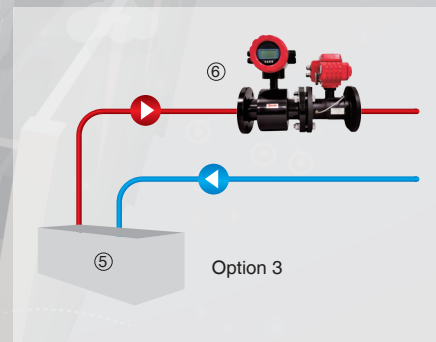
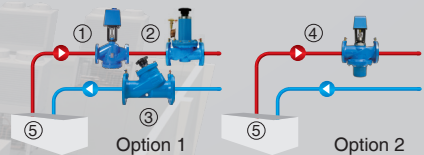
Control



Energy



Solution

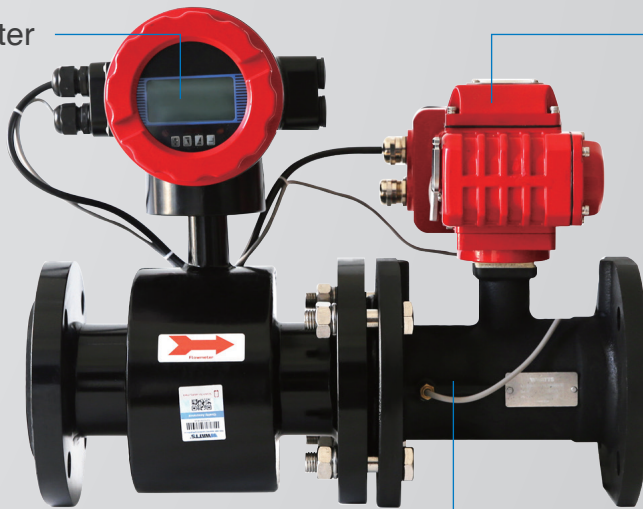


- ① Electric Control Valve
- ② Dynamic Differential Pressure Balancing Valve
- ③ Static Balancing Valve
- ④ Pressure Independent Control Valve
- ⑤ AHU
- ⑥ Intelligent Control Valve

Explore Products

Electromagnetic Flowmeter

- High Accuracy: $\pm 0.5\%$
- Flow Visibility:
Immediate Flow, Accumulated Flow
- High Protection Level: IP65



Intelligent Actuator

- Multiple Control Modes:
Opening Control
Energy Control
Flow Control
Temperature Control
- Modbus Communication:
Fast Data Transmission, Long Transmission Distance
Strong Anti-Interference
Bus Control
- Bluetooth Connection:
APP Control
Valve Data Feedback
- High Protection Level: IP67

Regulating Ball Valve

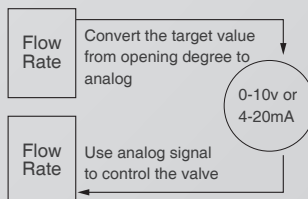
- Unique design offers strong circulation capacity, energy saving and environmental protection
- Double seal design for valve stem, long life and high reliability

Intelligent Watts

Modbus Communication

Traditional Control Modes

Convert the control target value into standard analog signal (0-10V or 4-20mA) to control



Modbus Communication

Direct digital control

- Opening
- Flow Rate
- Energy
- Temperature

Multiple Control Modes

- Flow Control Mode
Stable flow, and free from external interference
- Energy Control Mode
Simple control mode, direct data reading, stable energy maintenance
- Temperature Control Mode
Energy conservation and environmental protection



About Watts

Since its founding in 1874, Watts has developed a reputation of “Setting the Standard in Valve Technology.” Through a family of companies, Watts Water Technologies, Inc. (collectively “Watts”) designs and manufactures innovative products and systems in five application areas: Plumbing & Flow Control, Water Reuse & Drainage, HVAC, Water Quality, and Municipal Waterworks. Watts continues to create integrated solutions for water quality and conservation and to improve comfort, safety, and quality of life for people around the world through expertise in a wide range of water technologies.

Watts is a renowned global business with offices and manufacturing facilities in Europe, Asia-Pacific, and North America. Watts entered the Chinese market in 1994 and currently operates three facilities: Watts (Shanghai) Management Co., Ltd., Watts Water Equipment Manufacturing (Ningbo) Co., Ltd., and Watts (Ningbo) International Trading Co., Ltd.. In 2007, Watts established its Asia-Pacific, the Middle East and Africa headquarters in Shanghai, China, and has set up operational branches in Beijing, Guangzhou, Singapore, Australia, and Dubai.

For more information about Watts and Watts products, please visit Watts' official website at en.watts.cn

The technical specifications of Watts products are for reference only, and there may be subtle differences between appearances of actual products and pictures in promotional materials. Watts reserves the right to update or modify product designs and technical materials without prior notice to customers regarding such updates and modifications. Please contact Watts for detailed specifications and latest parameter information.



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