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Regulation of heating, cooling and hydronic balancing made easy

The SAUTER eValveco system is used for real-time flow regulation and automatic hydronic balancing in fully or partially loaded zones. It therefore replaces a static balancing valve and a regulating/mixing valve or ball valve. The dynamic flow regulating system with a 2-, 3- or 6-way ball valve is used in HVAC systems with variable flow rate.



Perfect synergy

Together with the 6-way ball valve, the SAUTER eValveco flow system provides a precise solution for regulating heated and chilled ceilings, VAV systems and fan coils supplied by a 4-pipe system.

SAUTER eValveco combines the five functions of a pressure independent regulating valve (PICV), 6-way ball valve for the switch-over function (heating/cooling), balancing valve and motorised cut-off valve.

The electronic flow control valve regulates the volume flow independent of pressure fluctuations in the system. The system is designed for automatic and dynamic hydronic balancing in real-time, therefore making additional balancing valves superfluous. This is how the system maintains a perfect, hydronic balance in the hydronic network without additional components in both fully or partially loaded zones.

It ensures that the exact rate of energy is distributed to the right place at the right time – for maximum comfort at minimal energy costs.

Clear and convenient

The flow control system communicates via Modbus – when combined with a building management system such as the SAUTER Vision Center building management software, for example, this allows overviews of the actual energy consumption to be created for each room in real time and controlled on a computer, tablet or mobile phone.

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As the leading provider of solutions for building automation technology in Green Buildings, SAUTER ensures good climate conditions and a sense of well-being in sustainable environments. SAUTER is a specialist in developing, producing and marketing products and systems for energy-efficient total solutions, and offers a comprehensive range of services to ensure the energy-optimised operation of buildings. Our products, solutions and services enable high energy efficiency throughout the entire life-cycle of a building – from planning and construction through to operation – in office and administrative buildings, research and educational facilities, hospitals, industrial buildings and laboratories, airports, leisure facilities, hotels and data centres. With over 100 years' experience and a track record of technological expertise, SAUTER is a proven system integrator that stands for continuous innovation and Swiss quality. SAUTER provides users and operators with an overview of energy flows and consumption, and of the development of the costs involved.

The SAUTER Group

- An international corporation with its headquarters in Basel, Switzerland
- Founded in 1910, it can rely on more than 100 years of tradition and experience
- With more than 2,300 employees, it is present and active globally
- Complete building management solutions from a single source Focuses on maximum energy efficiency and sustainability
- Safeguards investments and maintains operational reliability throughout the life-cycle of a building
- Technology leader in the building automation and system integration sector
- Member of eu.bac, BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance
- Impressive references at www.sauter-controls.com