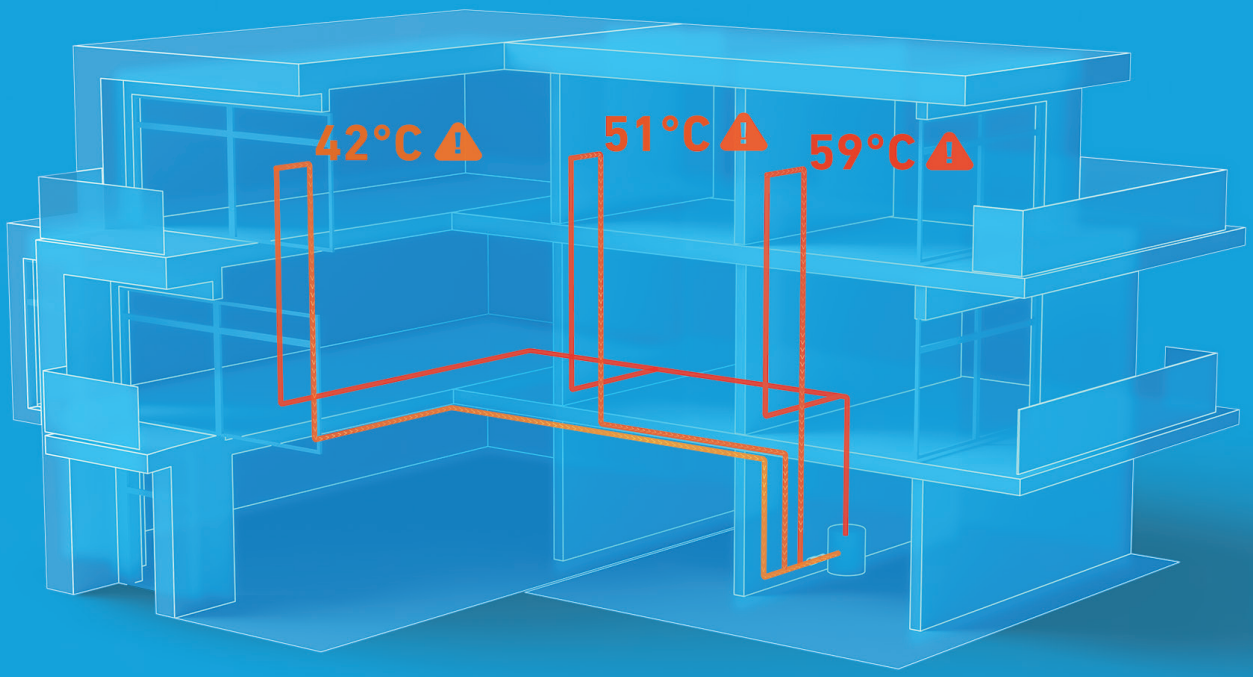
+GF+

Hycleen Balance

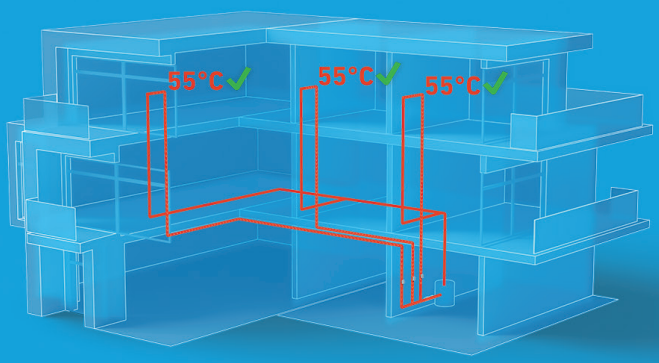
For optimum hydraulic balancing

Excellence in Flow+



Hycleen Balance: Hydraulic balancing with digital precision

Hydraulic balancing is essential for ensuring a well-functioning hot water circulation system.
The Hycleen Balance valve was developed to set a new standard of innovation in the GF circulation valve category. Cutting edge electronic components, digital control and an intelligent control algorithm guarantee continuously optimized hydraulic balancing and automatic recording.
Tasks such as maintaining a uniform temperature distribution across the building, securing the correct flow at every point of the circulation, and ensuring a temperature of ≥ 55°C are performed and recorded automatically.



Fast and easy for more efficiency, hygiene and comfort

Hycleen Balance ensures precise, temperature-controlled hot water distribution through digital hydraulic balancing. The simple installation, intuitive utilization and automatic recording function help minimize energy losses, hygiene risks, inconvenience, and bureaucracy quickly and without additional effort during operation.

Water hygiene

Once commissioned, Hycleen Balance ensures hygienically safe temperatures (≥ 55°C) throughout the circulation system. This is an effective measure to prevent legionella contamination. The automatic temperature recording function means that compliance with regulations can be verified quickly and easily.

Energy efficiency

Thanks to its precise temperature control, Hycleen Balance ensures optimum pumping performance, minimizes heat loss and helps to reduce the amount of heat required. Energy savings of up to 25% in the heating and distribution of hot water have already been achieved through this approach. You can easily calculate your personal savings potential using the Hot Water Energy Calculator on our website*.

Living comfort

The digitally controlled hydraulic balancing by Hycleen Balance ensures hot water is quickly available at the temperature you want. This shortens any waiting time and reduces the amount of water used in the shower, for example.

Quick start

The solution is commissioned and controlled via smartphone or building management system (BMS) using the simple 'plug & play' principle. Once parameterized, Hycleen Balance immediately starts adjusting and optimizing the circulation system.

*https://www.gfps.com/de-at/downloads-tools/online-tools/hot-water-energy-calculator.html

Features – cleverly designed down to the last detail

Quick planning, little effort

Hycleen Balance offers a wide Kv range. This ensures flexible and adaptable planning, and there's no need to pre-configure each individual pipe down to the last detail. Digital planning data expedites and optimizes the process as a whole, making it much more efficient.

Quick start guaranteed

The commissioning wizard guides you through setting up each valve in under five minutes. Pre-assembled flexible cabling simplifies installation and saves valuable time.

Carefully monitored

The visualization of temperature curves allows quick and easy analysis of the system on-site. Data logging records operating conditions seamlessly, ensuring that processes remain traceable. Alarm notifications and logging accelerate the fault detection process and provide clear documentation.

Integration into any system

Besides mobile phones and tablets, Hycleen Balance can also be easily connected with any building management system, parameterized, monitored, and controlled through the Modbus interface. The open communication interface (Modbus RTU) means the system can be integrated easily and flexibly.

Perfected performance

Supported by a control algorithm, Hycleen Balance operates within the set range accurate to the decimal point, ensuring perfectly balanced water distribution. The valves automatically calibrate themselves to achieve maximum efficiency, comfort, and substantial resource savings.

Quality that lasts

Automatic function checks ensure reliable performance. Replaceable controllers and temperature sensors allow for quick maintenance, while the lead-free gunmetal stainless steel construction ensures a long service life and highest level of hygiene.

Compatible with any end device

Access via smartphone App (Bluetooth)

- Commissioning wizard
- Visualize temperature curves
- Download logs

Direct integration into building management systems (Modbus RTU)

- Integrate temperature values & alarms
- Set parameters
- Direct valve control

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A range of uses, a host of advantages

Thanks to its intelligent control system, automatic hydraulic balancing and easy installation, Hycleen Balance is the ideal solution for any project. The system is used in apartment blocks, hotels, hospitals and schools and can also be installed as part of renovations or retrofits. It ensures quick commissioning and energy-efficient operation. With its self-maintenance and alarm and recording functions, Hycleen Balance stands out as one of the most cost-effective solutions for planners, installation engineers, owners, and operators.

Experience garnered from various projects highlights the versatility of Hycleen Balance

Hycleen Balance enables us to analyze and optimize the distribution of hot water. This can reduce water heating expenses and hence cut utility costs for tenants.

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Visit our webpage to get in contact with your local specialist:
www.uponor.com/en-en/services/contacts

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