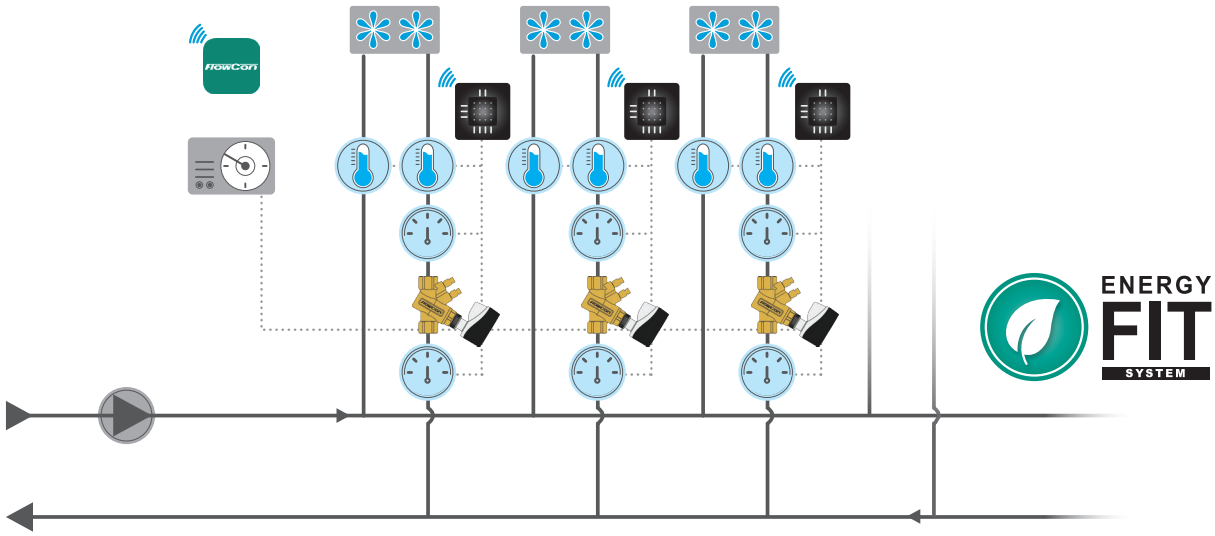
FlowCon international

A Griswold Controls LLC./FlowCon International Company

Fan Coil Units

with Pressure Independent Temperature Control



System Functionality:
The water-based FCU is a simple coil/fan device. The coil airflow is normally constant or limited to 3 different speeds controlled by the user. Hence, the return water temperature often fluctuates depending on season and corresponding cooling or heating requirements.

Without proper balance and control, energy consumption and operating costs will run wild. This can be prevented by installing a true pressure independent temperature control valve (PITCV) on every FCU. The PITCV can, by controlling based on ΔT alone, help significantly to reduce energy consumption and operating costs and increase the building's overall energy performance and anticipate in the task of energy certification.

Requirements:
A PITCV will only react to ΔT changes and consequently adjust the flow by altering actuator position. System pressure fluctuations are mechanically absorbed by the included PICV. By controlling FCU performance on ΔT, flow requirements may be reduced, resulting in significant energy savings and optimized comfort at all times.

Solutions:
The solution is to mount a PITCV on every FCU and FlowCon offers:
- FlowCon Energy FIT System.

Benefits:
- All-in-1 solution incl. PICV and temperature sensors for flow and BTU metering. Optional pressure sensors available.
- User friendly w/ easy direct setting on display actuator (FIT) or direct flow setting on insert or valve (FIT-G)
- Complete overview of energy, supply/return temperature and flow with simple monitoring via Bluetooth® to FlowCon App or via BACnet to BMS
- No piping restrictions - the most compact system on the market
- Cost savings due to optimized energy consumption and improved efficiency
- True PITCVs with full pressure independency and ΔT control.

FlowCon PITCV

FIT-G FIT

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