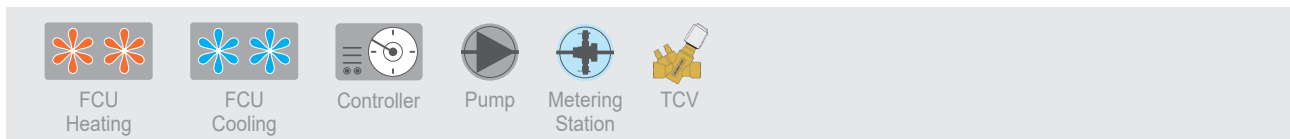
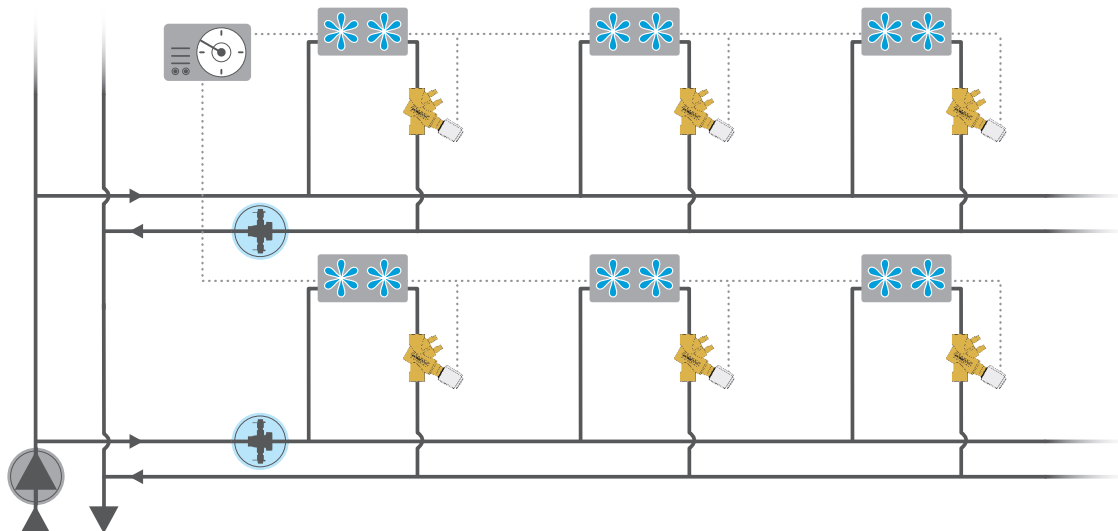


Fan Coil Units

with 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. In order to obtain room comfort, it is recommended to install a constant flow balancing device on each coil. This Automatic Balancing Temperature Control (TCV) will ensure that any pressure fluctuations in the system caused by demand fluctuation will not affect the flow regulation. Overflow, underflow and starvation are in other words solved by installing a TCV on each FCU.

Requirements:

The TCV will provide pressure independent maximum flow regulation as well as being capable of closing drop tight for ON/OFF applications securing proper thermal performance at all times.

Solutions:

The solution is to mount an TCV on every FCU and FlowCon offers:

- FlowCon EVS (pre-set stainless steel insert) with ON/OFF control.

Benefits:

- Pressure independent max. flow control
- Assures correct flow for each FCU automatically - also at partial loads
- A serviceable solution due to insert-design
- Energy efficiency with regulation starting at only 10 kPaD
- Cost savings due to reduced commissioning time
- A proven technology - long life expectancy
- Tamper-proof design.

— FlowCon TCV —



EVS