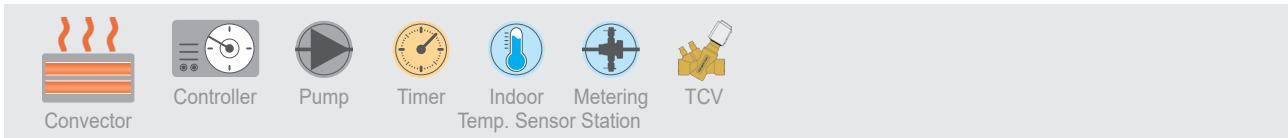
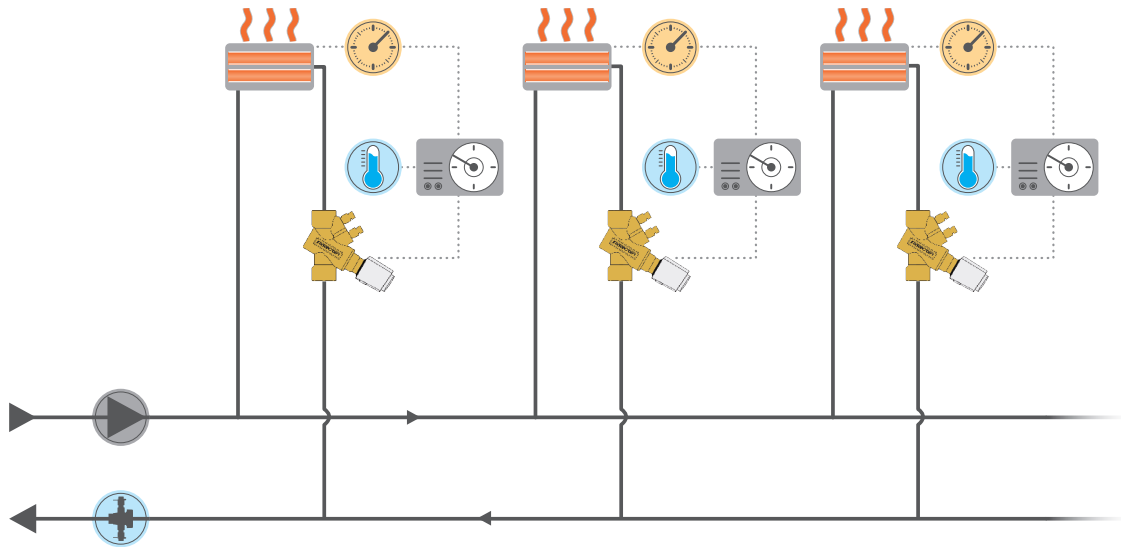


Convectors

with Temperature Control



System Functionality:

Convectors generate heat by drawing cold air in at the bottom and letting it pass the inner hot pipe with fins in order to heat up the air before it leaves from the top. Without proper balance, convectors will either experience overflow or underflow and consequently not deliver the right temperature resulting in human discomfort. Flow control can be achieved in ON/OFF applications by installing a Temperature Control Valve (TCV) on every convector. TCVs will help secure no overflow and help reduce energy consumption.

Requirements:

The TCV will react to system pressure changes and regulated the flow of hot water to required flow by adjusting the actuator position. This helps the unit to be accurately controlled even at reduced system loads.

Solutions:

The solution is to mount a TCV on every convector and FlowCon offers:

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

Benefits:

- Assures correct flow for each unit automatically - also at partial loads - securing occupant comfort
- A serviceable solution due to insert-design
- Energy efficiency with regulation starting at only 10 kPaD
- Cost savings due to reduced commissioning time
- Tamper-proof model
- A proven technology - long life expectancy.

— FlowCon TCV —



EVS