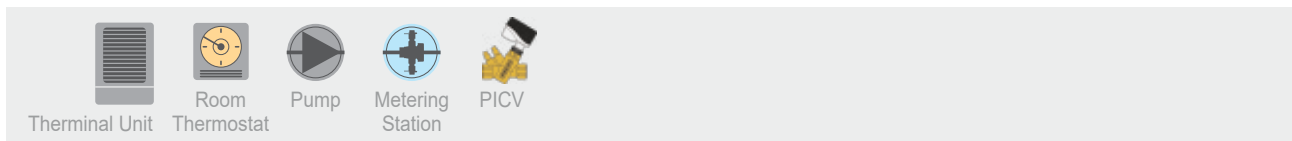
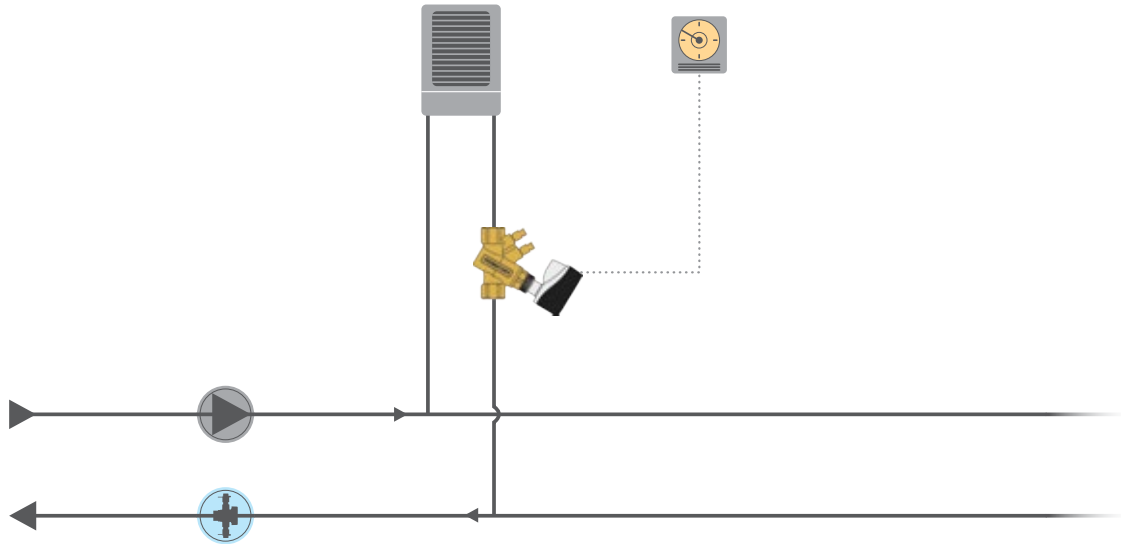


# Stand-Alone Units

with Pressure Independent Control (PICV)



### System Functionality:

A stand-alone terminal unit runs like a FCU but independent of a BMS system. The stand-alone unit works together with a self-acting room thermostat which communicates directly with the Pressure Independent Control Valve's (PICV) modulating actuator. The PICV will help maintain correct flow rate at any time of operation and significantly reduce energy consumption.

### Requirements:

The PICV's full authority and ability to accurately control actuator position to required flow or even close completely is important. This helps to secure a steady temperature during room occupancy.

### Solutions:

The solution is to mount a PICV on the stand-alone unit and FlowCon offers:

- FlowCon Green / GreEQ (adjustable insert)
- FlowCon Essentia (built-in regulation unit)
- FlowCon SM (built-in regulation unit)

### Benefits:

- Assures correct flow for each unit automatically - also at partial loads - securing optimal comfort
- Serviceable insert-design solution (Green / GreEQ)
- Energy efficiency with regulation starting at only 10 kPaD (Essentia)
- Flexible solution with stepless setting to minimum 41 defined max. flows
- Electrical actuators with selectable control mode, linear or equal% or alternatively thermal ON/OFF actuators
- Cost savings due to reduced commissioning time
- True PICVs - 100% authority and pressure independence at all flow rates with accurate actuator control.

FlowCon PICV

