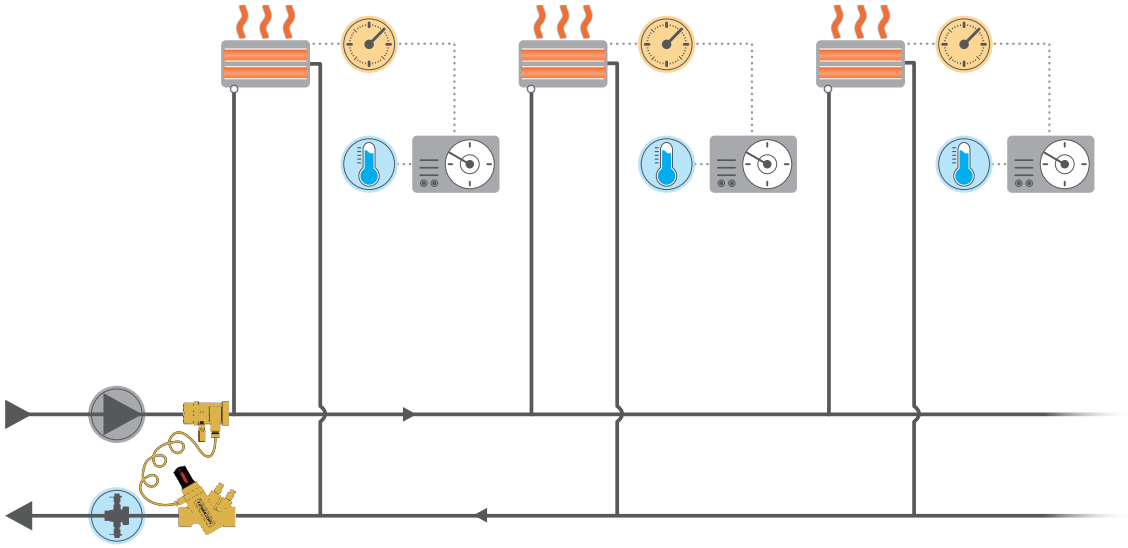
FlowCon international

A Griswold Controls LLC./FlowCon International Company

Convectors

with Differential Pressure Control (DPCV)



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. Pressure control can be achieved by installing a Differential Pressure Control Valve (DPCV) as zone on every convector zone. It will also help eliminating noise through the thermostat.

Requirements:
The DPCV will absorb system pressure changes and maintain a constant pressure, ΔpC, in the zone helping the system to balance, be accurately controlled and protected against noise.

Solutions:
The solution is to mount a DPCV and a Partner valve on every zone and FlowCon offers:
- FlowCon SDP (pre-set 10, 20 or 30 kPaD) or
- FlowCon EDP (adjustable 5-50 kPaD)
- FlowCon QuickDisc® (Partner Valve with manual flow balancing).

Benefits:
- Prevention of noise in the system
- Security of a defined ΔP available for all branches - also at partial loads
- An easy-to-use and compact construct
- A serviceable solution due to insert-design
- Energy efficiency with regulation starting at only 3 kPaD
- Cost savings due to reduced time to balance and commission
- A proven technology.

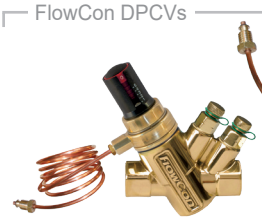
FlowCon Partner Valves

AB Composite

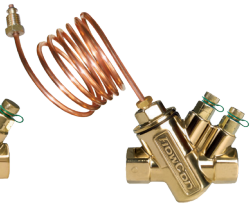
AB E-JUST

QuickDisc®

FlowCon DPCVs



EDP



SDP

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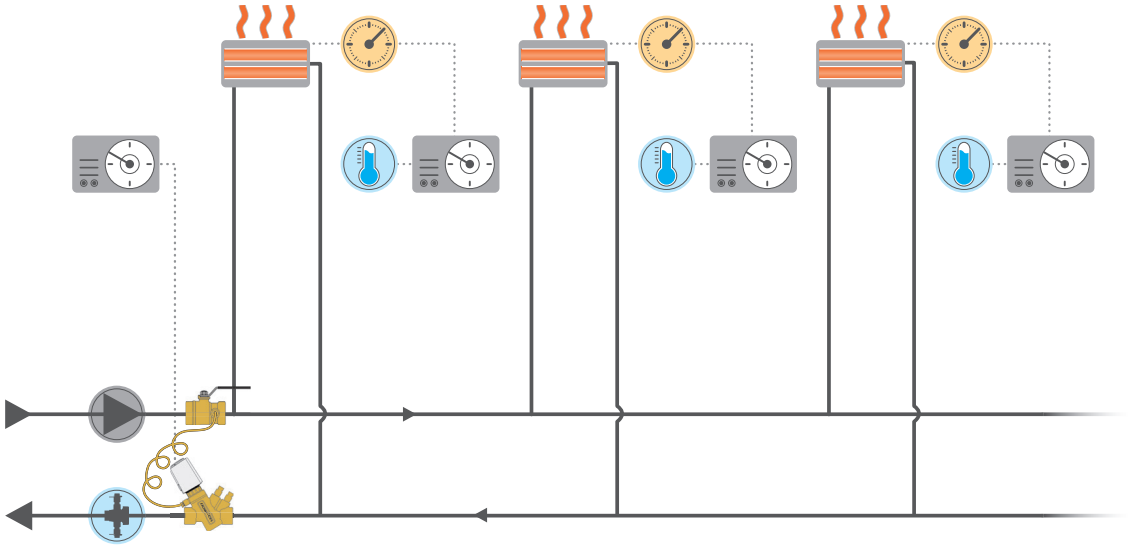
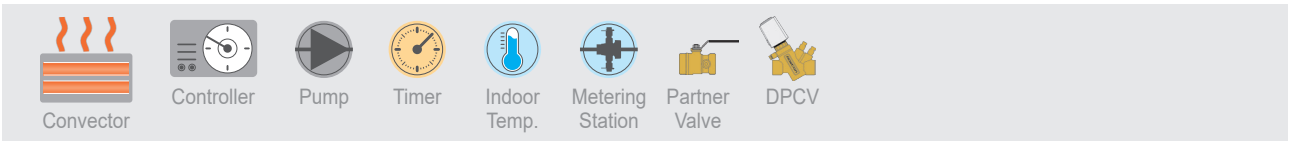
Convectors

with Differential Pressure Control (DPCV) - Timer Controlled





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. Pressure control can be achieved by installing a flow limiting Differential Pressure Control Valve (DPCV) as zone valve on every convector zone, which will reduce noise and allow energy saving night reduction.

Requirements:
The DPCV will absorb system pressure changes and maintain a constant pressure, ΔpC, in the zone helping the system to balance, be accurately controlled and protected against noise.

Solutions:
The solution is to mount a DPCV and a partner Valve on every zone and FlowCon offers:
- FlowCon ADP (adjustable insert)
- FlowCon Partner Ball (Partner Valve).

Benefits:
- Combined ΔP and max flow limiter in one unit - incl. ON/OFF control
- Flexible solution with minimum 41 different flow/pressure settings
- An easy-to-use solution and compact design
- A serviceable solution due to insert-model
- Energy efficiency with regulation starting at only 3 kPaD
- Cost savings - recued time to balance and commission
- A proven technology
- Possible automatic night reduction.

FlowCon Partner Valve — FlowCon DPCV

Partner Ball

ADP