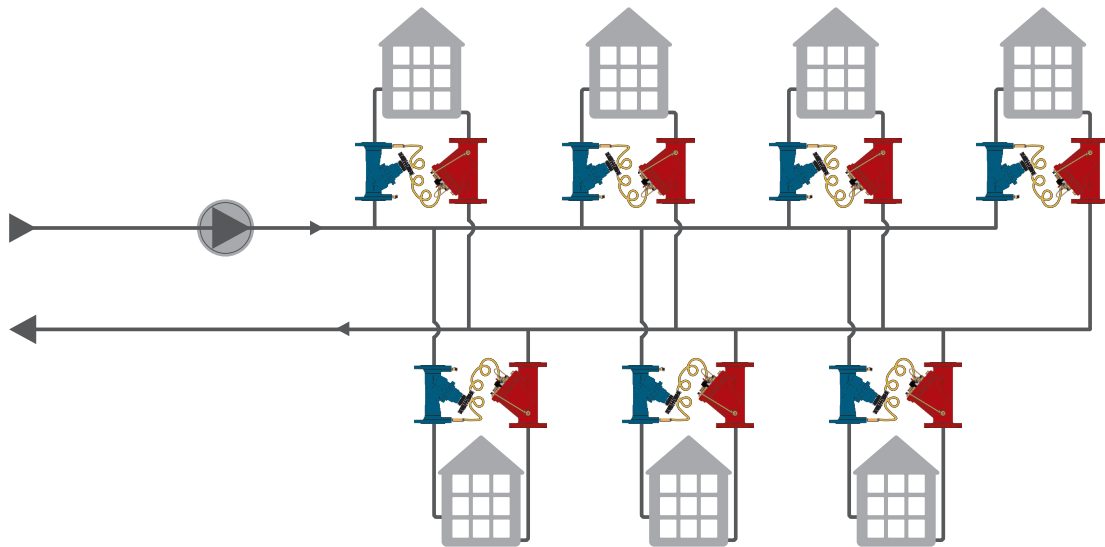


System Zone Protection

with Differential Pressure Control (DPCV)



System Functionality:

In a multiple buildings complex with one central plant-room, the load in the different buildings or zones will vary throughout the day. If the system is not balanced correctly, pressure fluctuations will cause problems like user discomfort and noise disturbance and moreover result in unnecessarily high operation costs. This can be prevented by installing a Differential Pressure Control Valve (DPCV) as zone protector for each zone.

Requirements:

The DPCV will react to system pressure changes and keep a constant pressure, Δp_C , in the zone helping the system to balance and be accurately controlled. With controlled flow and pressure to the zone, each building will not see higher pressure than design voiding the risk of too high differential pressure causing noise and other discomfort.

Solutions:

The solution is to mount a DPCV and a Partner Valve on every zone and FlowCon offers:

- FlowCon PIM™-DP (adjustable)
- FlowCon Partner Globe (partner valve).

Benefits:

- Flexible pair with adjustable pressure and flow setting
- Built-in shut off function
- Serviceable solution with filter protection
- Cost savings - properly distributed pressure throughout the complex
- A proven technology.

— FlowCon Partner Valve —

— FlowCon DPCV —



Partner Globe



PIM™-DP