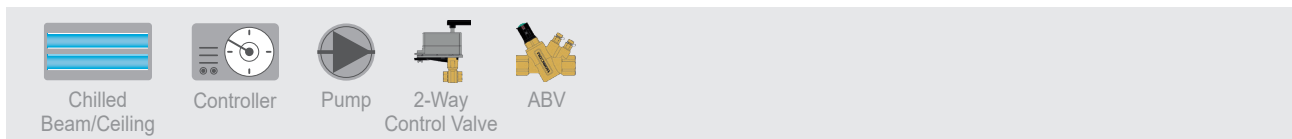
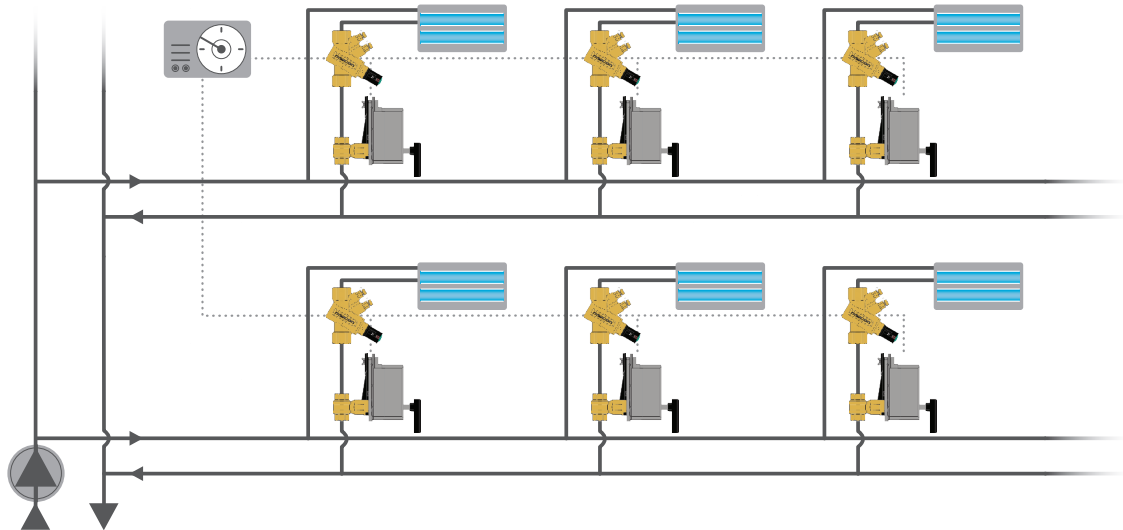


Chilled Beams/Ceilings

with Automatic Balancing (ABV)



System Functionality:

Chilled beams and chilled ceilings are both ceiling-based cooling devices and alternatives to FCUs. Chilled water is piped to the unit and provides convective cooling. As warm air rises it is cooled by the chilled beam/ceiling; once it is cooled, the air falls back to the floor and the cycle starts over. Without proper balance and control, flow rates will fluctuate as pressure fluctuates due to varying system load resulting in inaccurate room temperature, dissatisfied users and increased energy consumption. This can be prevented by installing an Automatic Balancing Valve (ABV) on every chilled beam or ceiling. ABVs will help secure no overflow and Guarantee design flow.

Requirements:

An ABV will react to system pressure changes and limit the chilled water flow to required max. flow helping the system to be accurately controlled even with pressure changes.

Solutions:

The solution is to mount an ABV on every single unit and FlowCon offers:

- FlowCon E-JUST (adjustable insert).

Benefits:

- Assures no overflow in the system
- An easy-to-use solution
- Adjustable insert solution providing high flexibility and easy maintenance
- Energy efficiency with regulation starting at only 17 kPaD
- Cost savings due to reduced time to balance and commission
- A proven technology - long life expectancy.

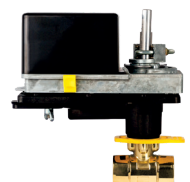
┌ FlowCon ABVs ───────────┐ ┌ FlowCon Control ───┐



AB Composite



AB E-JUST



Unimizer® 2-Way