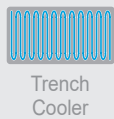
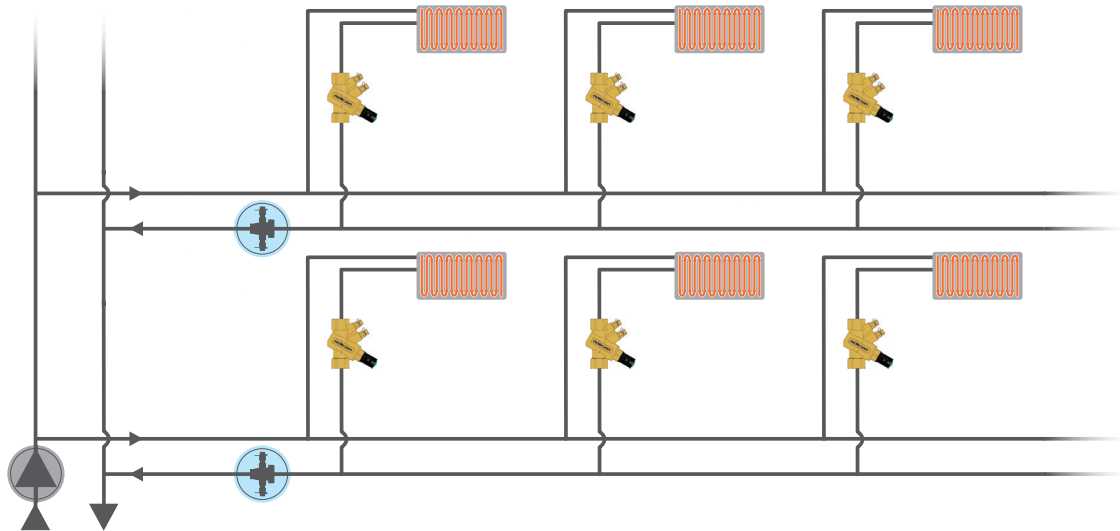


Trench Heaters/Coolers

with Automatic Balancing



System Functionality:

Trench heaters are underfloor-based heating devices and a less space consuming alternative to radiators. Hot water is piped to the unit and provides convective heating. As the warm air rises it will heat the room and the cooled air will fall back down and the cycle restarts. With proper balance and control, flow rates will be maintained despite pressure fluctuations with the result of appropriate room temperature and increased energy savings. This can be obtained by installing an Automatic Balancing Valve (ABV) on every trench heater, which will help secure no overflow and guarantee design flow.

Requirements:

An ABV will react to system pressure changes and limit the flow of hot water 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
- FlowCon Composite

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 15 kPaD
- Cost savings due to reduced time to balance and commission
- A proven technology - long life expectancy

FlowCon ABVs



AB Composite



AB E-JUST