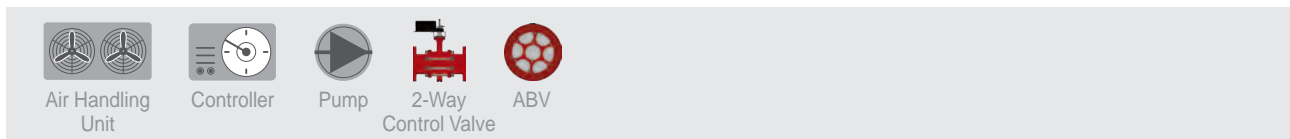
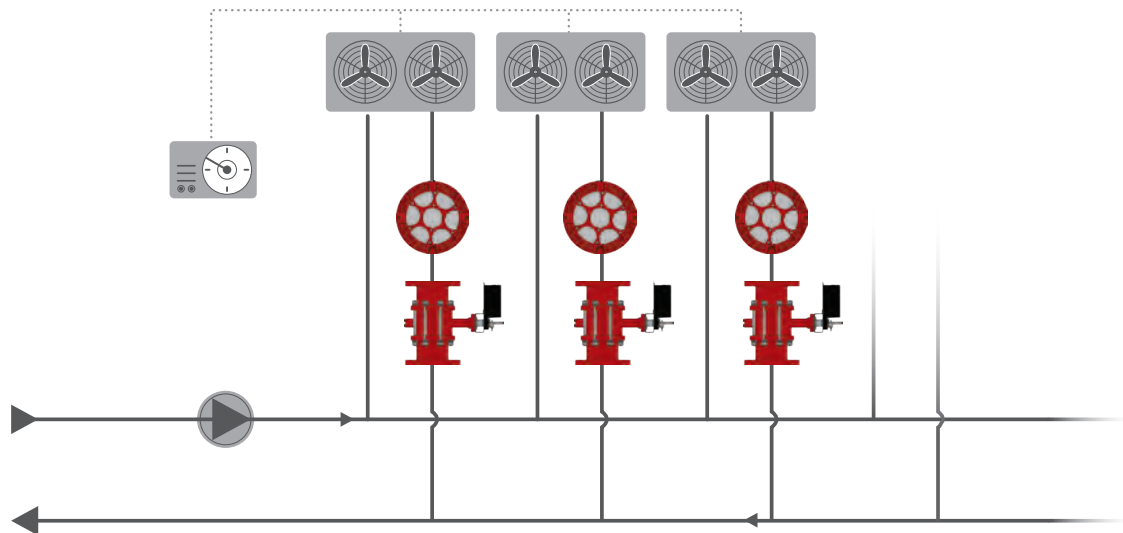


Air Handling Units

with Automatic Balancing



System Functionality:

Air handling units or AHUs are either designed for in- or outdoor location, and the function of an AHU is to regulate and circulate air for proper room temperature independent of the outdoor temperature. Central elements in an AHU are the fan, the heating and/or cooling coil. AHUs are generally servicing larger areas and thereby larger flow rates. Without proper balance and control, energy consumption and operating costs will run wild. This can be prevented by installing an Automatic Balancing Valve (ABV) on every AHU securing no overflow.

Requirements:

An ABV will react to system pressure changes and limit the flow of hot or cold 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 unit and FlowCon offers:

- FlowCon E-JUST (adjustable insert)
- FlowCon Wafer (pre-set multiple inserts).

Benefits:

- Assures no overflow in the system
- An easy-to-use solution
- Adjustable insert solution providing high flexibility and easy maintenance (E-JUST)
- Energy efficiency with regulation starting at only 10 kPaD
- Cost savings due to reduced time to balance and commission
- A proven technology - long life expectancy.

