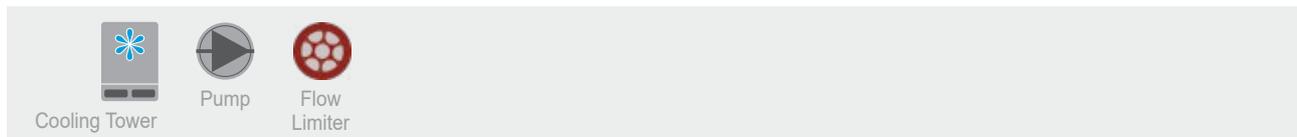
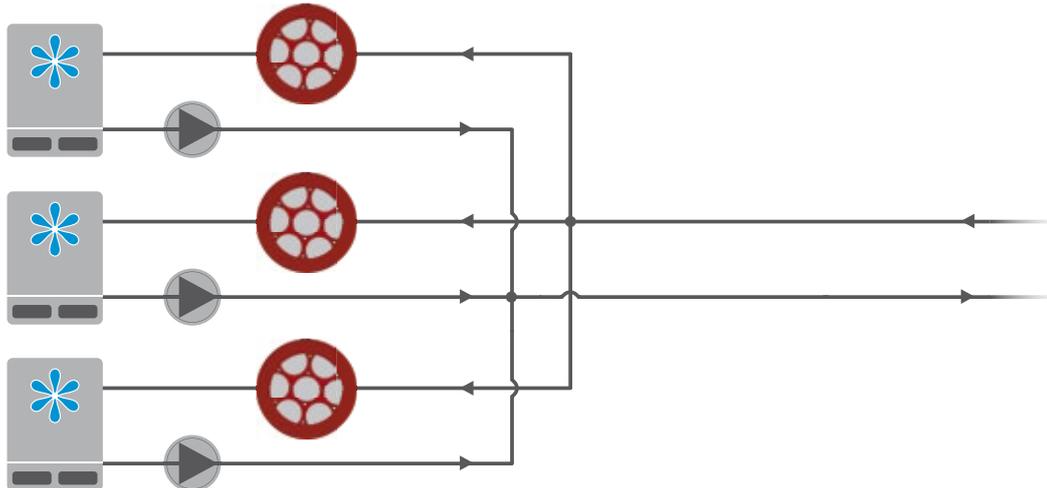


Cooling Towers - Primary Side

with Automatic Balancing



System Functionality:

A cooling tower is a big vessel which contains a large fan blowing air through the unit. Water including excess heat from the HVAC system is entered at the top of the cooling tower. As the water passes to the bottom, heat is withdrawn through evaporation. Cooling towers normally involves larger flow rates. Without proper balance, energy consumption and operating costs will run wild. This can be prevented by installing an Automatic Balancing Valve (ABV) on every cooling tower securing no overflow.

Requirements:

An ABV will react to system pressure changes and limit the flow of 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 Wafer (pre-set multiple inserts).

Benefits:

- Assures no overflow in the system
- An easy-to-use tamper-proof solution
- 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

FlowCon ABV



Wafer