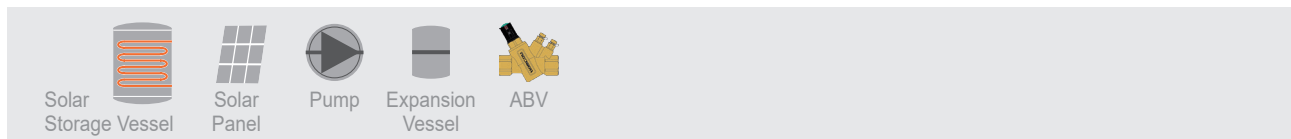
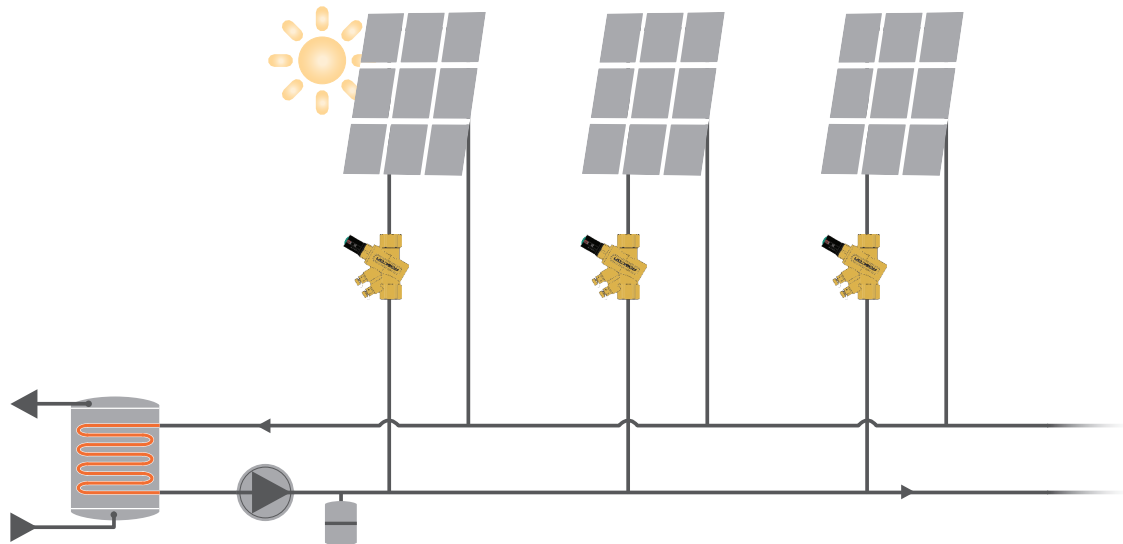


Solar Panels

with Automatic Balancing



System Functionality:

Solar panels can be used to convert sunlight into hot water for building heating or domestic use. The solar panels collect thermal energy from the sun and convert it into heat and circulate it through a storage vessel (which also works as system heat exchanger) and back to the solar panels for re-heating. By installing an Automatic Balancing Valve (ABV) on each solar panel, proper flow balance and elimination of overflow is guaranteed resulting in an even better energy efficiency.

Requirements:

An ABV will react to system pressure changes and limit the water flow to required max. flow helping the system to be accurately balanced and ΔT design to be maintained.

Solutions:

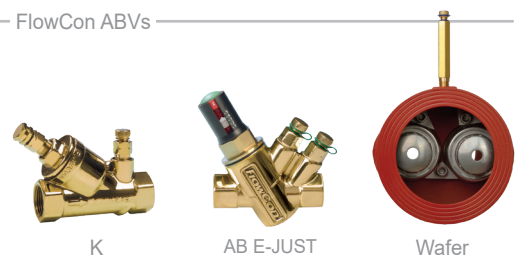
The solution is to mount an ABV on every unit and FlowCon offers:

- FlowCon E-JUST (adjustable insert)
- FlowCon K (pre-set 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 and K)
- 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 ABVs



K

AB E-JUST

Wafer