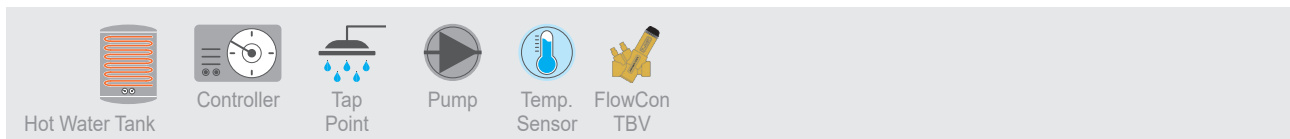
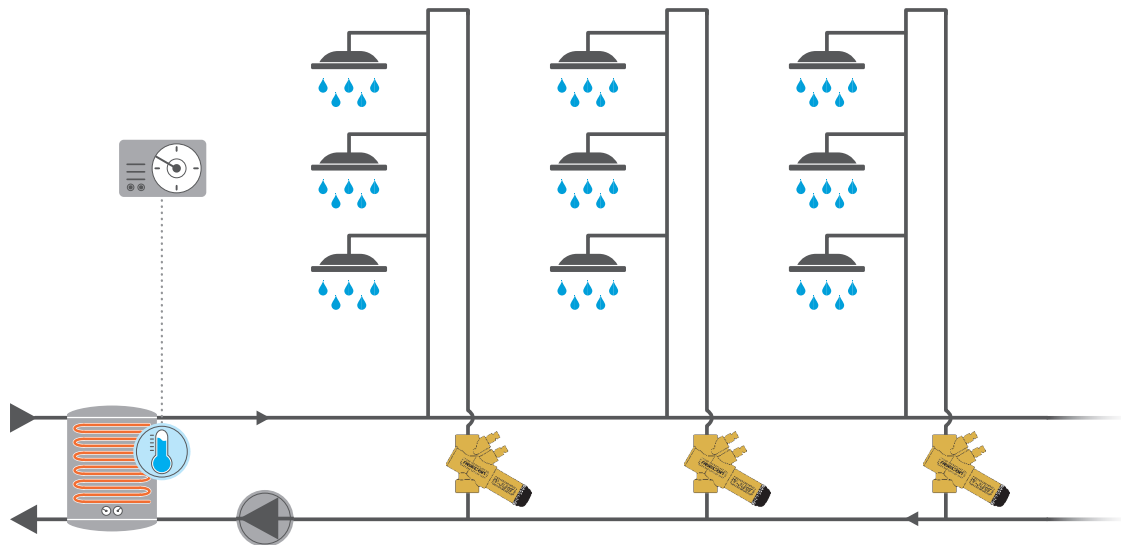


Domestic Hot Water

with Thermal Balancing



System Functionality:

Domestic hot water system is found in every household, office block, hotel and hospital - basically in any building. Domestic water is used for showers/baths, washing etc. With proper thermal balance the entire system will work efficiently, and the right water temperature will immediately be available at all tap points ensuring optimal comfort and no water waste waiting for hot water. The solution is to install a Thermal Balancing Valve (TBV) on each riser.

Requirements:

The TBV will react to system temperature changes. If the water temperature passing through the TBV is above the required set water temperature, the TBV closes. And vice versa if water temperature of the circulating water is below, the TBV will open, allowing water to flow through 'asking' for more hot water. An additional benefit is the built-in bypass possibility which allows for either manual or BMS-controlled water pasteurization through thermal disinfection.

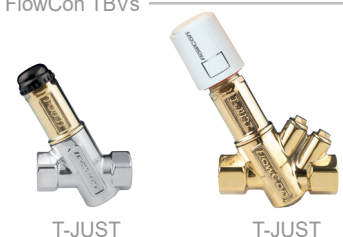
Solutions:

The solution is to mount a TBV on each single riser and FlowCon offers:
FlowCon T-JUST (adjustable insert).

Benefits:

- Occupant satisfaction due to immediate hot water at every tap point
- Serviceable solution due to insert-design
- Simple field adjustable temperature setting
- Energy saving as water is only circulated at a minimum as long as water temperature is at or above setpoint
- Cost saving due to reduced water waste
- Proven technology - long life expectancy
- Water pasteurization with standard built-in bypass - manual or automatic.

FlowCon TBVs



T-JUST

T-JUST