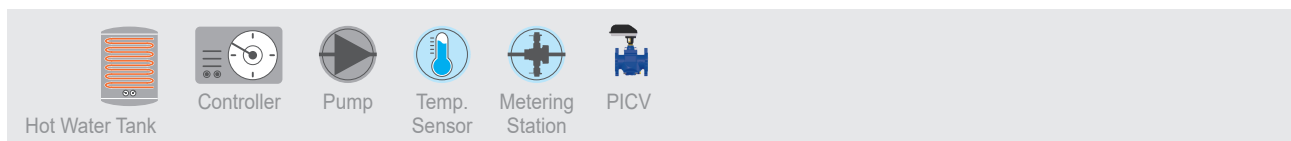
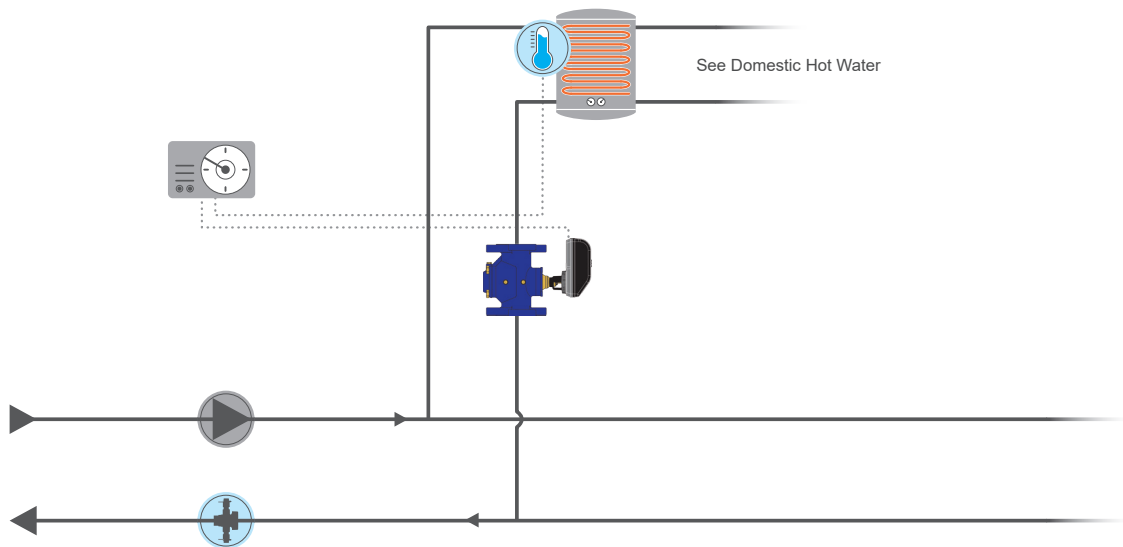


Hot Water Tank

with Pressure Independent Control (PICV)



System Functionality:

The hot water tank is still the most used solution for storing hot water for domestic use. The simple function is that cold water enters at the tank bottom and is then heated. When hot water is needed, it leaves the tank from the top. As the water level in the tank drops, it fills with more cold water and the process repeats itself. Proper balancing and flow control can assist in achieving best possible efficiency and by installing a PICV on the tank, correct flow rate at any time of operation is maintained resulting in reduced energy consumption.

Requirements:

The PICV's full authority and ability to accurately control actuator position to required flow or even close completely is important. This helps to secure a steady temperature in the system.

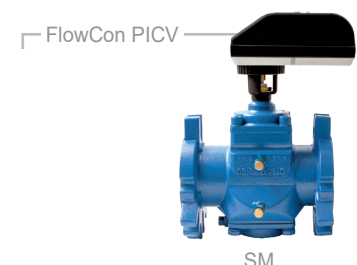
Solutions:

The solution is to mount a PICV on the hot water tank and FlowCon offers:

- FlowCon SM.

Benefits:

- Assures correct flow for each unit automatically - also at partial loads
- Flexible solution with minimum 51 different max. flow settings
- Electrical actuators with selectable control mode, linear or equal%
- Energy efficient due to optimized control
- Cost savings due to reduced commissioning time
- True PICVs - 100% authority and pressure independency at all flow rates with accurate actuator control.



SM