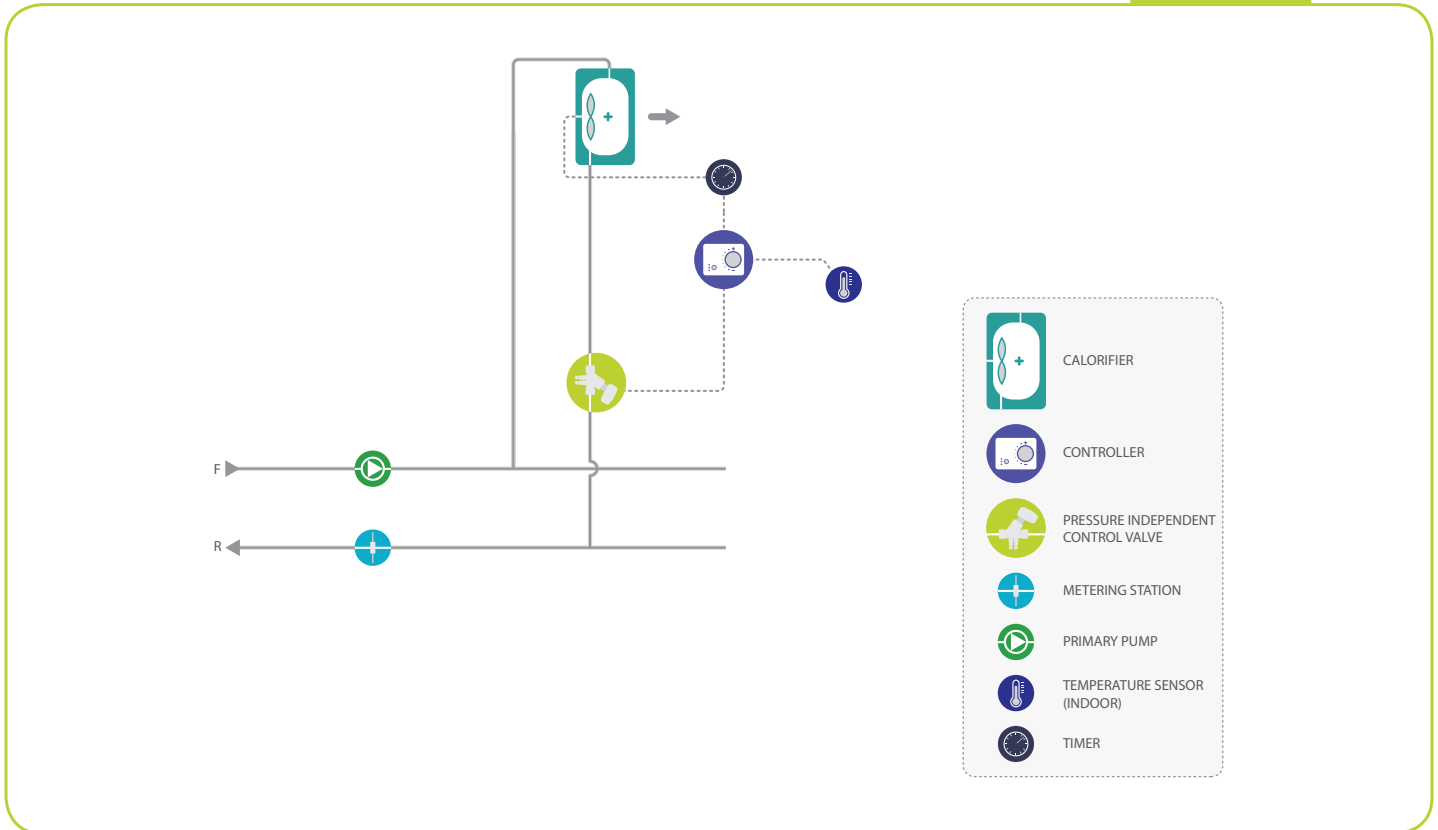


Calorifier with PICV control



Function

The room temperature is controlled by a room controller connected to the PICV actuator. To avoid cold air being blown into the room, when fresh air is taken from outside, a timer can be inserted to delay the startup of the fan. The control can either be modulating or On/ Off depending on the system layout.

Benefits

- The PICV ensures balancing of the flow and eliminates the use of both static balancing valves and differential pressure control valves.
- Simple installation as only the PICV is required with no need for additional pressure or flow balancing valves.
- Low total pressure loss in the system due to simple design.
- The flow can be set directly on the PICV without the need of a manometer or a commissioning unit.
- The differential pressure only needs to be checked at the PICV placed at the index point, or at the end of every branch.

Considerations

- Requires a small circulation pump on the secondary side of the injection circuit.
- A metering station can be installed if additional flow verification is required.

