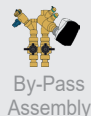
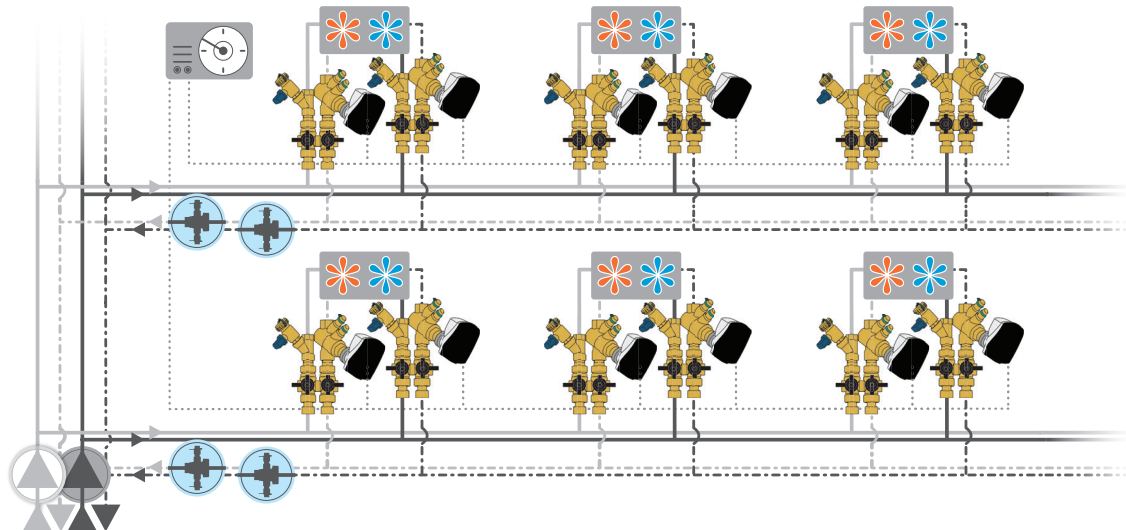


Fan Coil Units

with By-Pass Modules



System Functionality:

A FCU is a simple water-based coil/fan device which conditions room temperature by flowing air by the coil and through heat transfer provide the right temperature. FCUs are generally servicing small to medium sized areas and consequently they run with lower flow rates. Without proper balance and control, energy consumption and human comfort is unmanageable. This can be prevented by installing a By-Pass Module incl. Pressure Independent Control (PICV), Temperature Control (TCV) or Automatic Balancing (ABV) on every FCU.

Requirements:

A By-Pass Module will include either a PICV, TCV or ABV, which will react to system pressure changes and limit the flow of hot or cold water to required flow providing dynamic balancing and control as well as easy FCU maintenance during service.

Solutions:

The solution is to mount a By-Pass Module on every FCU and FlowCon offers:

- FlowCon Assembly incl. 2-union By-Pass
- FlowCon Mini By-Pass

Benefits:

- Easy selection, installation, commissioning, control and maintenance of the FCU
- Two standard sizes; 40mm or 80mm center distance
- Insert solution providing high flexibility and a wide range of options
- Cost savings due to prefab models which allows fast installation and easy balance and virtually no commissioning.
- Insulation pack available.

FlowCon By-Pass Modules



Mini By-Pass

2-union By-Pass

By-Pass Assembly