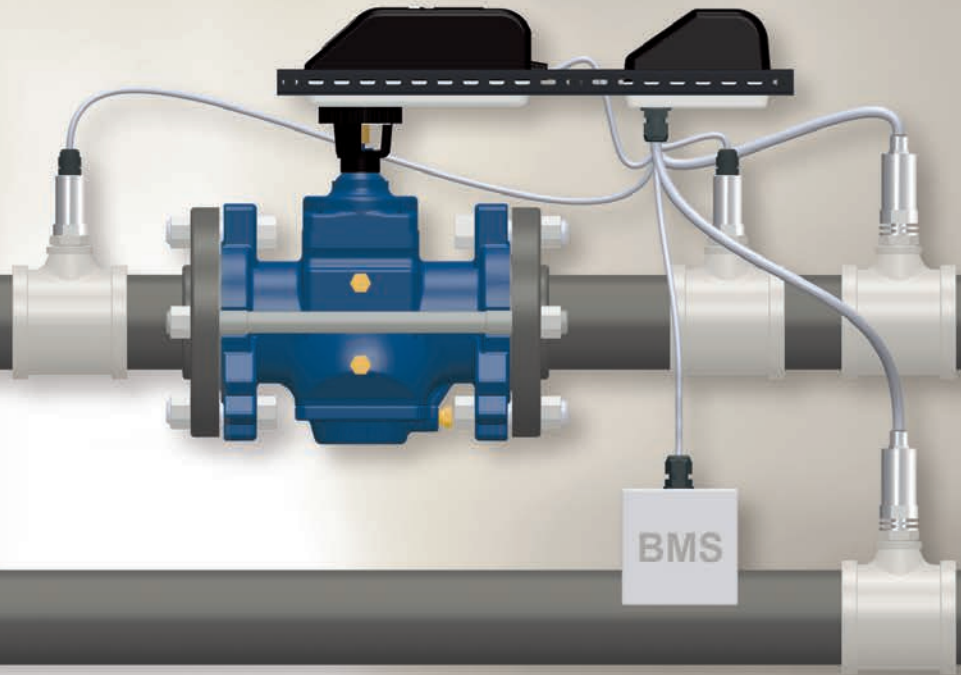
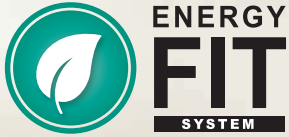


# FlowCon FIT



## FlowCon Energy FIT System - Energy-Saving Pressure & Temperature Independent System

FlowCon is proud to present the FlowCon Energy FIT System, the world's first pressure and temperature independent regulation valve. With the FIT System you will get monitoring, measuring, connectivity and control in one package including PICV valve, sensor kit and the new FlowCon Intelligent Interface. Download the FlowCon App and take full advantage of the FIT system.

The FIT System measures energy usage while monitoring coil performance and adjusts the PICV valve to optimize coil performance. The PICV valve maintains the correct flow, despite pressure changes, and guarantees that flow will only change when demand requirements change or  $\Delta T$  is outside specification. The FIT System is suitable for any sub-metering application.

By optimizing  $\Delta T$ , flow rate requirements may be reduced resulting in significant energy savings, while having pressure independency and temperature independency and optimized comfort.

- State-of-the-art - Pressure and temperature independence.
- All-in-one including PICV, temperature and pressure sensors, flow meter and BTU meter for sub-metering applications.
- User friendly with easy setting directly on display actuator.
- Cost savings due to optimized energy consumption and improved efficiency.
- Complete overview of energy and flow.
- Simple monitoring via Bluetooth® or analog to BMS.
- Clear information regarding  $\Delta T$ ,  $\Delta P$ , flow rate and BTU heat transfer.
- Flexible solution - also allowing upside-down installation.
- No piping restriction and most compact system on the market.



# FlowCon FIT

## FlowCon Energy FIT System - Energy-Saving Pressure & Temperature Independent System

The FlowCon Energy FIT System is typically installed on AHUs or in the Plantroom suitable for sub-metering applications and includes:



### Intelligent Interface

Connects all FIT components and BMS. It also measures energy usage while monitoring coil performance to adjust PICV to optimal coil performance.



### PICV with electrical display actuator

Maintains correct flow despite pressure changes and guarantees that flow and actuator position only changes when demand requirements change or  $\Delta T$  is outside specification.

Size: DN65-250 / 2 1/2"-10"

Max. operational  $\Delta P$ : 800 kPaD / 116 psid.

Max. flow rates: 1.48-76.8 l/sec / 23.4-1220 GPM.

Media temperature: -20°C to +120°C / -4°F to +248°F.



### Temperature sensors

Temperature sensors measure the  $\Delta T$  across the coil allowing the Intelligent Interface to adjust according to  $\Delta T$  target.

Media temperature: 0°C to +100°C / +32°F to +212°F.



### Pressure sensors

Pressure sensors measure up/downstream pressure allowing the BMS to lower system pressure to PICV's requirements and reduce pump energy consumption.

Media temperature: -10°C to +85°C / +14°F to +185°F.



### Integrated BTU meter

The Intelligent Interface calculates the BTU and displays data via Bluetooth® on cell phone or in BMS.



### Integrated Flow meter

Likewise, the Intelligent Interface calculates the flow and displays data via Bluetooth® on cell phone or in BMS.



### Bluetooth®

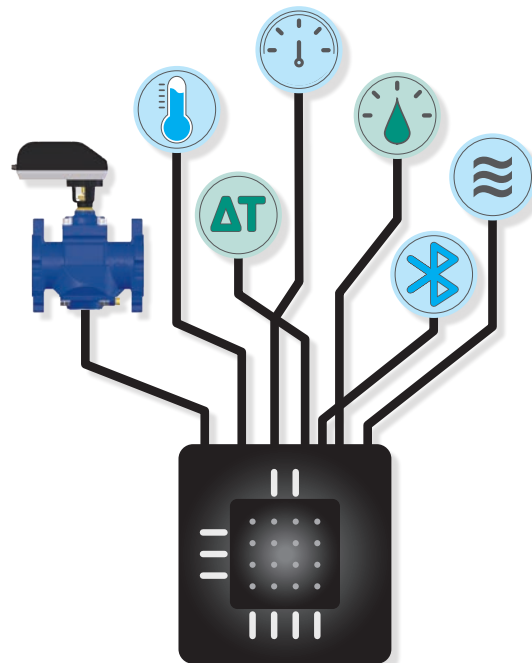
In combination with the FlowCon App, the Intelligent Interface can provide readings from the FIT System directly via Bluetooth®. Data includes T1, T2,  $\Delta T$ , P1, P2,  $\Delta P$ , Flow, BTU and  $\Delta T$  Target.



### $\Delta T$ control

Flow only changes when demand requirements change or  $\Delta T$  is outside of specification - The FIT System provides full  $\Delta T$  control.

For further information visit [www.flowcon.com](http://www.flowcon.com)



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