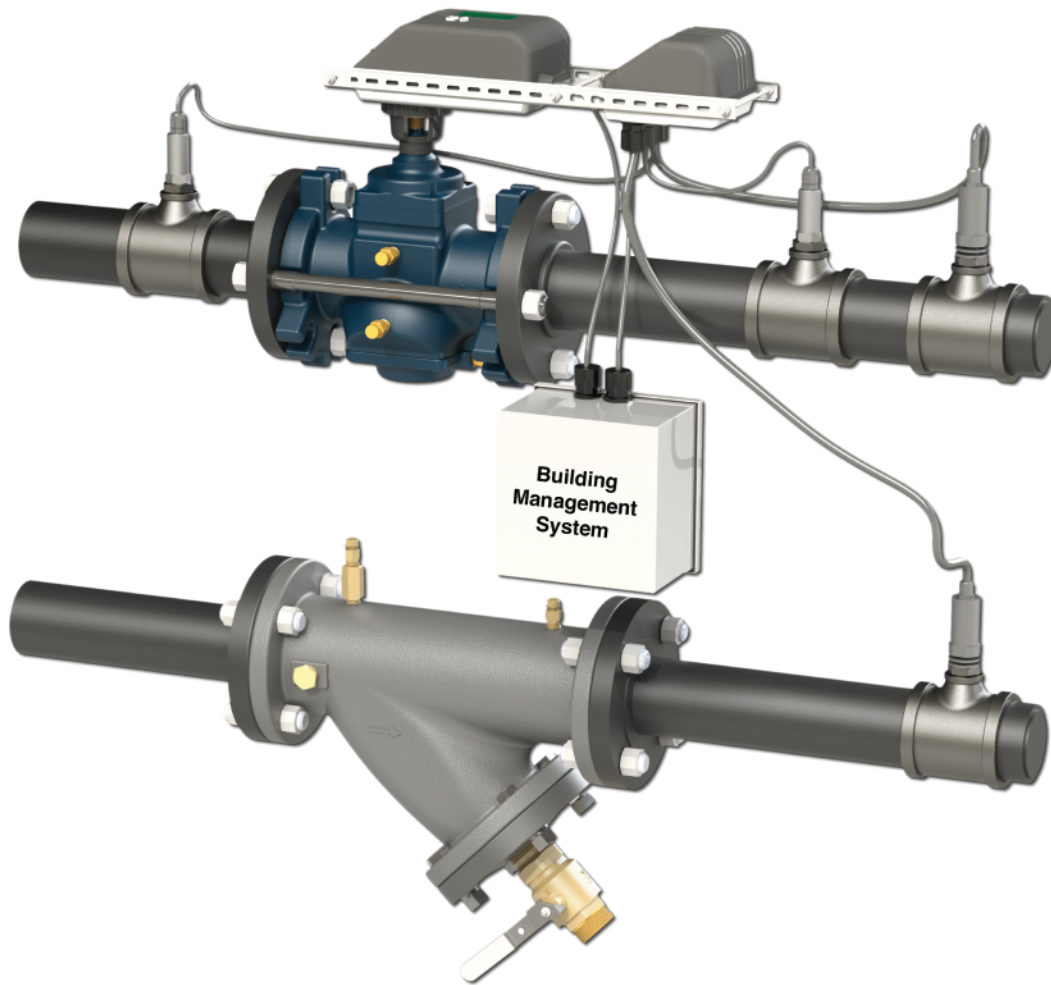




## ENERGY-SAVING PRESSURE-INDEPENDENT SYSTEM



The FIT Energy System measures energy usage while monitoring coil performance to adjust a Pressure Independent (PI) Control Valve to optimize coil performance. The PI Valve maintains the correct flow, in spite of pressure changes, and guarantees the flow only changes when demand requirements change or Delta T is outside of specification.

The FIT Energy System is fully customizable and allows selection of components that work best to optimize the application's unique energy goals.



A FlowCon International/Griswold Controls LLC. Company



PI Valve



Temperature Sensors



Pressure Sensors



Flow Meter



BTU Meter



Bluetooth® Enabled

# TAKE **CHARGE** OF YOUR SYSTEM'S LOW $\Delta T$ WHILE **SAVING PUMP ENERGY WITH THE FIT ENERGY SYSTEM**



## PI Valve

Maintains correct flow in spite of pressure changes and guarantees that flow and actuator position only change with demand requirements change or  $\Delta T$  is outside of specification. By optimizing  $\Delta T$ , flowrates are reduced and pump energy is conserved.



## Temperature Sensors - Pt1000

Temperature sensors measure the  $\Delta T$  across the coil or AHU, allowing the FIT Intelligent Interface to adjust the PI valve to a flowrate that optimizes the  $\Delta T$ .



## Pressure Sensors

Pressure sensors measure the upstream and downstream pressures, allowing the BMS to reduce system pressure to the PI valve's minimum requirements reducing pump energy. (Standard on 2-1/2" to 10" sizes - Optional on 1/2" to 2" sizes)



## Flow Meter

EPIC Intelligent Interface calculates the flowrate and displays it on Bluetooth device as well as sending the flow back to the BMS.



## BTU Meter

EPIC Intelligent Interface calculates the BTU and displays it on Bluetooth device. The BTU can be calculated by the BMS by using the  $\Delta T$  and flowrate supplied by the FIT Intelligent Interface allowing BTU monitoring of each zone in the system.



## Bluetooth® Enabled

In combination with the Griswold Controls App the information can be accessed easily on your Bluetooth enable device.



## BACnet Communication Protocol-MS/TP

BACnet simplifies the FIT system integration into the BMS and provides optimal monitoring capabilities of system performance.