The DeltaP SmartValve combines the precision control performance of a pressure independent DeltaP-Valve® with additional instrumentation to provide submetering capability at each cooling and heating coil. Purpose-built for comfort system optimization, the patented technology of the DeltaP SmartValve allows it to provide real-time measurements of flow, differential temperature, differential pressure and calculated BTUs, while also acting as a precision control valve. The DeltaP SmartValve delivers industry-best performance in efficiency and reliability, with easy access to energy, flow, temperature and pressure metrics transmitted over a BACnet interface.

Features

Hardware
- Pressure Independent Control
- Guaranteed Delta T
- 10-year DeltaPValve® Warranty
- 100:1 Control Turndown

Monitoring
- 7 Output Variables
  - Flow Rate
  - Supply & Return Water Temperature
  - DeltaPValve® Inlet, Intermediate & Outlet Pressure
- Calculated Thermal Energy
- Continuous Troubleshooting and Reporting of Coil Performance
- Communication via BACnet over TCP/IP

LOAD [BTUh]

Conventional
SmartValve

www.flowcontrol.com
425.483.1297
info@flowcontrol.com
**About Flow Control Industries**

Flow Control Industries, Inc. (FCI) is a specialty manufacturer of high-performance pressure independent control valves, delivering energy efficient products and services through a consultative process to increase building value and lower total cost of ownership.

The DeltaPValve®, FCI's flagship product, was developed by Founder and Chairman Paul Skoglund, P.E. over 20 years ago when he realized that more effective valves could revolutionize mechanical system efficiency. As an industry pioneer, Paul was the first to create the patented design, development and application of pressure independent control valve.

---

**Service** | Chilled water, heating water, glycol solutions
---|---
**Flow Rates** | 1 – 1750 GPM
**Fluid Temperature Range** | Max 250 F
**Sensor Accuracy & Resolution** | Flow: +/- 2% of actual
**Control Turndown** | 100:1
**Differential Pressure Range** | 5-70 PSID, 10-90 PSID
**Body Pressure Rating** | 150 PSIG, 300 PSIG
**Pipe Connections** | 2" Female NPT
**Pipe Connections** | 3", 4", 6" 8": ANSI 125# FF Flanged, ANSI 250# FF Flanged
**Close Off Pressure** | 150 PSID
**Shutoff** | ANSI B16-104
**Leakage** | 2", 3", 4", 6" 8": ANSI / FCI 70-2-2-2006 Class III
**Actuator Input Signal** | Proportional (0/2-10 VDC, 4-20mA), Floating Point
**Actuator Fail Action** | Fail-In-Place, Fail-Safe
**Ambient Temperature Range** | 32 – 150 F
**Power Supply** | 24 VAC Center-tap power
**Power Consumption** | Actuator-dependent
**Enclosure** | Aluminum
**Certifications** | UL, CE, BTL
**Communication** | BACnet over TCP/IP
**SSL Encryption** |

---

[www.flowcontrol.com](http://www.flowcontrol.com)  425.483.1297  info@flowcontrol.com