

DELTA  smart
VALVE



The next generation of HVAC technology is here. This powerful new product by Flow Control Industries combines the precision control performance of the DeltaPValve® with added instrumentation to provide sub-metering capability at each heating and cooling coil.

THE DELTAPVALVE®
YOU KNOW AND LOVE
JUST GOT SMARTER.



DELTAP SMARTVALVE

As an industry pioneer, Flow Control Industries was the first to create the patented design, development and application of pressure independent control valves with the DeltaPValve®. Built on this foundation, the DeltaP SmartValve combines the unparalleled precision control of the DeltaPValve® with advanced instrumentation for accurate data reporting and troubleshooting capability – all in an accessible format for easy integration.

OUR SOLUTION

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.



TEMPERATURE SENSORS

- Immediate feedback on coil performance
- Simple performance targets for evaluation
- Troubleshooting



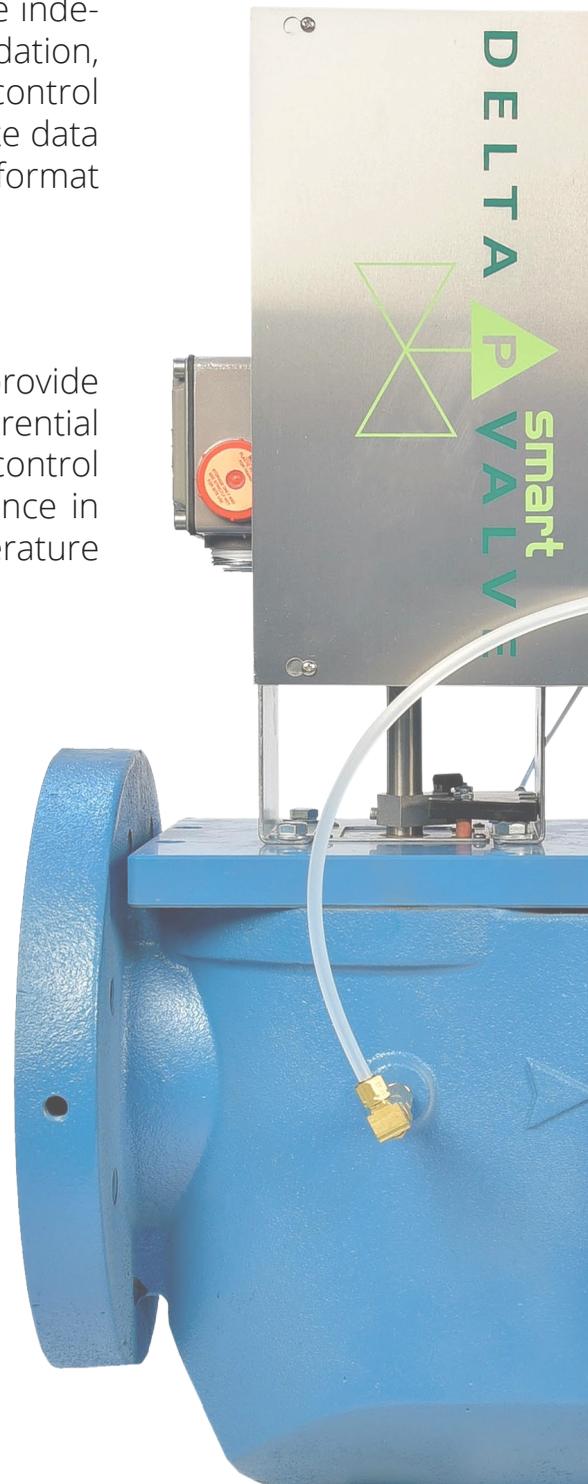
ROTATION SENSOR

- Provides accurate flow information
- No calibration required
- Not exposed to fluids; no wear



PRESSURE SENSORS

- Provides feedback for pump control
- Develop real-time system pressure gradient
- Confirm system pressures, pressure independence, & shutoff





SO WHAT MAKES OUR SOLUTION DIFFERENT?



NEXT GENERATION HVAC TECHNOLOGY

- Increased data resolution brings energy management capability all the way down to the AHU with instantaneous energy feedback
- Advanced system troubleshooting tool
- Seamless integration into existing building automation systems
- Quick & easy installation; no straight run requirements



UNPARALLELED ENERGY SAVINGS

- Properly applied DeltaPValves reduce energy consumption in HVAC systems by 20-40%
- By maximizing existing infrastructure, customers recover wasted capacity – deferring millions of dollars in capital investment
- No system balancing requirements



INDUSTRIAL QUALITY HARDWARE

- 10-year warranty
- Designed with 3 P/T ports, vital to confirm system pressures, pressure independence, and shutoff
- Largest differential pressure operating range (5-70 PSID or 10-90 PSID) to simplify selection and ensure stable operation
- Individually built and tested in Woodinville, WA



GUARANTEED PERFORMANCE

- 100:1 turndown enables control of flow throughout the full range of the valve
- Delta T guarantee
- Ability to maintain +/- 0.1° F LAT control
- Factory set for design flow, reducing staff requirements and allowing more time for preventative maintenance

ABOUT FLOW CONTROL INDUSTRIES, INC

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 (TCO).

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 valves.

Since the release of the first DeltaPValve®, FCI's team of world class engineers has worked to improve its design, efficiency and overall effectiveness. This focus and dedication has propelled the DeltaPValve® to the top of the industry, being the only variable flow hydronic system that GUARANTEES ΔT .

DeltaPValves are used in projects all over the world and are consistently saving customers millions of dollars in first costs, operating costs and deferred capital costs.