

# Enable Local Closed-Loop Control with Fisher™ FIELDVUE™ DPC2K Digital Process Controllers



**FISHER™** Improve performance, reliability, safety, and environmental compliance.

## Pneumatic controllers have limitations.

Pneumatic controllers have served industry well for decades to regulate control valve actions, but they have many limitations. Closed loop control is sluggish and not precise, with significant deviations from setpoint common, and degraded performance over time as their mechanical components wear out. This wear and tear negatively impacts reliability, with excessive maintenance required. All interactions with pneumatic controllers must be performed locally at the control valve, creating safety issues by exposing personnel to often hazardous plant environments.

## A controller with digital control and remote connectivity.

The Fisher FIELDVUE DPC2K digital process controller can be retrofitted as a direct replacement for pneumatic controllers installed on control valves. It keeps the process variable—pressure, flow, level, or temperature—close to setpoint. The DPC2K offers greatly improved closed-loop control and reliability, significantly reduced maintenance, improved safety, and superior environmental compliance. It also provides numerous connectivity options, enabling remote setpoint access, monitoring, and other features.

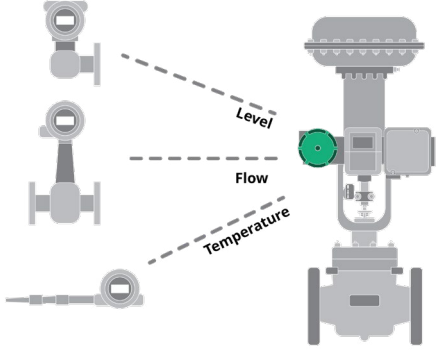
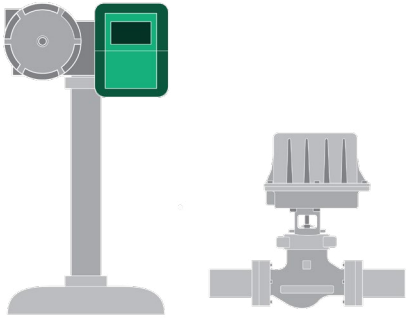



*Fisher FIELDVUE DPC2K digital process controller with pneumatic output*



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The DPC2K can replace pneumatic controllers to meet your single continuous PID loop needs. It has been designed to provide application flexibility, through simple configuration and high-speed network communications.

 <p><b>Application Flexibility</b> The DPC2K supports a variety of measurement types and provides control signals for either pneumatic or analog controls. ▶ <a href="#">See product bulletin</a></p>	 <p><b>Control Flexibility</b> Move from pneumatics to electricification. Support electric control elements for emissions reduction. ▶ <a href="#">See product bulletin</a></p>	 <p><b>Remote Process Monitoring</b> High-speed, two-way digital connectivity provides access to all the discrete and analog variables in the DPC2K from any host application. ▶ <a href="#">See quick start guide</a></p>
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## Additional Product Benefits

- **PID Control:** Closed loop control is greatly improved with configurable loop types, over 150 units of supported measure, 20X/sec (50 msec) scan and update rates, configurable deadband, anti-reset windup, dynamic reset limiting, and other features.
- **Reliability:** The DPC2K is designed to maintain its high level of performance for years with no required maintenance, and when maintenance is required, it is easily performed using modular replacement components.
- **Cost Effective:** The DPC2K is rated for use in Class 1 Div 1 or Zone 1 hazardous areas, and it has an operating temperature range of -40 to 80°C (-40 to 176°F).





## Learn More

- [DPC2K Product Webpage](#)
- [Find an Emerson sales office near you](#)

*Fisher FIELDVUE DPC2K digital process controller mounted on a control valve*



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