

Get Advice at the Device™ with the Fisher™ FIELDVUE™ DVC7K Digital Valve Controller



FISHER™ Quickly troubleshoot issues and identify recommended actions

Unplanned downtime is costly

Unplanned shutdowns or turnarounds can cost you thousands—if not millions—in lost production. It is vital that you can quickly identify the health of your valve assembly and resolve issues to keep your plant up and running.

Quickly resolve issues with Advice at the Device

The DVC7K is reliable and intuitive, featuring diagnostics that enable you to optimize your plant's performance. It converts either a 4-20 mA or 24 VDC input signal into a pneumatic output signal that controls the actuator on the valve.

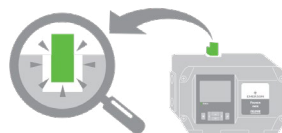
The self-diagnostic capability of the DVC7K provides valve performance and health evaluation without shutting down the process or pulling the valve assembly from the line. At a distance, you can quickly view your valve assembly's health status with the NE107 LED indicator. Perform setup and configuration procedures, check the valve health, and get recommended actions using the simple-to-use Local User Interface (LUI) or your HART® communicating asset management software.

Meet your reliability & performance goals

The DVC7K's magnetic array and hall effect sensor provide high performance, linkage-less, non-contact feedback, eliminating physical contact between the valve stem. This results in no sliding parts to wear, loosen, corrode, or vibrate in harsh or nonstop cycling environments and gives the instrument a longer working life.

Additionally, the DVC7K's field proven, conformal coated electronics resist the effects of vibration, temperature, and corrosive atmospheres. And the weather-tight housing construction protects the wiring terminal box and critical components from harsh environmental conditions.

The two-stage positioner design provides quick response to large step changes and precise control for small setpoint changes. And ramped cutoff provides smooth transition from throttling control to shutoff.



Magnetic Array



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The DVC7K interprets data to effortlessly create an optimized path to action with flexible connectivity and easy integration.



Analyze Data In Real Time

Edge computing enables data analysis and recommended actions directly on the device. It offers 24/7 diagnostics, and the larger, internal memory allows uninterrupted monitoring and alert history retention.



Easy-To-Use Interface

You can monitor device health remotely with the LED and the Local User Interface (LUI), set up your device quickly with Guided Setup, and configure your LUI to up to 13 languages.



Flexible Connectivity

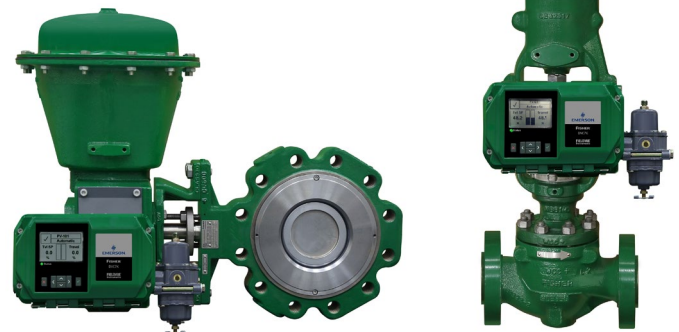
As a registered HART® communicating device, you can access alerts, health status and recommended actions at the device or from anywhere along the loop. You can also analyze your fleet of valves with the Plantweb Insight™ Valve Health application.

Additional Product Benefits





- **Throttling and On/Off Control:** The DVC7K is the first FIELDVUE digital valve controller to have dedicated Throttling and On/Off control tiers.
- **I/O Options:** One Position Transmitter and two solid state dry contact switches can be used simultaneously.
- **Electrical / Pneumatic Connections:** Metric, imperial, or metric/imperial connections are available.
- **LUI Languages:** The LUI supports 13 different languages.
- **Bluetooth® Wireless Technology:** The DVC7K leverages Emerson's secure Bluetooth wireless technology implementation.

Learn More

- **DVC7K Product Webpage**
- Find an **Emerson sales office** near you



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