Controllers and Instruments

Modulate control valves and monitor process variables.

FISHER™

A wide selection of Fisher digital, pneumatic, and electronic instruments control valve position and variables such as level, pressure, or temperature. They are added to control valves for five basic reasons: to improve process control; improve safety; monitor the valve responsiveness; diagnose issues; and improve valve performance or speed of response. We were the first to develop digital valve controllers—Fisher FIELDVUE™ instruments—and performance diagnostics for improved.

What's your challenge?

Because control valves are installed in manydifferent and unique applications, control valveaccessories are necessary. Diagnostics may beneeded to provide control valve performance andhealth evaluations.

What's your opportunity?

With Fisher instruments, you get peace of mind thatthey have been tested to hold up to your processconditions, no matter how extreme. We haveinstruments for vibration, extreme temperatures,and high pressures.

Digital Valve Controllers and Traditional Positioners

Digital Valve Controllers are microprocessor-based instruments that are compatible with HART®, FOUNDATION™ fieldbus, and PROFIBUS communication protocols. The microprocessor enables diagnostics and two-way communication to simplify setup and troubleshooting. FIELDVUE digital valve controllers have logged billions of operating hours and have sold over 2 million products since being introduced in 1994. They can be used in Safety Instrumented Systems to control the safety shutdown function of the valve. ▶DVC6200 | DVC6200 SIS | DVC6200p | DVC6200f | DVC2000

Traditional Positioners deliver pressurized air to the valve actuator so that the position of the valve stem or shaft corresponds to the set point from the control system. They are typically pneumatic or analog I/P. 3570 | 3582 | 3582i | 3610J | 3610JP | 3620J | 3620JP | 3660 | 3661 | 3710 | 3720

Transducers

Electro-Pneumatic (I/P) Transducers convert an electronic signal to a pneumatic signal. They are routinely used in control loops that require an electronic control signal from a programmable logic controller or distributed control system to be converted to a usable pneumatic signal for operation of a control valve. I/P transducers operate by using a current to pneumatic converter to produce a proportional pneumatic output. ▶ i2P-100 | 846 | 646 | 546

Pneumatic and Process Valve Controllers

Pneumatic Controllers are mechanical devices designed to measure temperature or pressure and transmit a corrective air signal to the final control element. Bourdon tubes, bellows, temperature elements, or displacers are used as the sensing elements. The power supply and output of a pneumatic controller is compressed air or natural gas. ▶C1 | 4194 | 4195K | 4196 | 4660

Wireless Products and Valve Accessories

Wireless Products provide access to valves and other equipment in hard-to-reach places where a wired solution is not feasible. A wireless position monitor eliminates the need for wiring to an on/off pneumatically actuated valve by monitoring the equipment position with a percent of span plus on/off indication. ▶4320

Valve Accessories help ensure your process runs as expected with a variety of additional valve and actuator components. Volume boosters amplify or boost the volume of air supplied to the valve actuator.
▶2625 | VBL