

Valve accessories area



Self-operated control valves, also known as direct acting control valves, are a large class of control valves that do not require additional energy to drive. It is a class of control, control and execution functions into one, the use of the object itself to drive the action of its own control valve, divided into direct acting and pilot with the role of two categories. Direct action of the self-control valve to get the process itself, the pressure or pressure to drive the control valve action can also be used to detect the temperature package temperature components into pressure, and then drive the control valve action



HEP15 / 16/17 Single acting electric-pneumatic valve positioner is the main accessory of CV3000 series regulating valve, which is used with pneumatic film actuator. This series of locators using force balance principle, the regulator output of the electrical signal into the control valve to change the gas signal to ensure that the regulator valve regulator output signal quickly and correctly positioned; also can change the flow characteristics of the valve Or the type



AW pneumatic piston actuator is the industrial automation system in the drive device, CV3000 series control valve drive mechanism, it has a simple structure, stable and reliable, large output characteristics. With the positioner can improve the adjustment accuracy. Especially for large diameter, high static pressure, fast action and require high reliability of the occasion of the use of rotary control valve.



HVP intelligent valve positioner is a pneumatic actuator to achieve the wisdom of the necessary accessories. Its working principle is very different from the analog positioner. The HVP Smart Valve Positioner and Pneumatic Actuator form a feedback control loop in which the displayed feedback valve position feedback signal is used as the controlled variable, compared to the given signal value in the microprocessor, the two signals Of the deviation through the main control board output port, issued a different step pulse signal to control the I / P conversion unit output port pressure output, thus driving the control valve action

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- 1, high precision control, up to 0.5;
- 2, the output characteristics can be arbitrarily selected and the user arbitrarily set;
- 3, low power consumption, low air consumption, anti-vibration performance, and can adapt to harsh environments;
- 4, can automatically cooperate with a variety of different sizes of the implementing agencies;
- 5, through the host computer or handheld terminal for remote configuration and monitoring;
- 6, with signal over range, the input signal is interrupted, the valve bit signal interrupt self-diagnosis function;
- 7, failure mode: full open, fully closed, keep, switch to manual;
- 8, with HART, PROFIBUS-PA communication function;
- 9, the current feedback function: output 4-20mADC valve bit signal.

Series

HVP11 / 12

Model

HVP

input signal

4 ~ 20mA analog signal and digital signal

4 ~ 20mA analog signal or digit signal

input resistance

450Ω

Supply pressure

0.2MPa ~ 0.55MPa

Air consumption

≤0.6NL / min

Itinerary

10 ~ 100mm (corner 60 ~ 90 °)

Basic error

± 0.5%, ± 1.0% (standard)

Backlash

≤0.5%

dead zone

≤ 0.1% (minimum Min.)

Working environment conditions

a, ambient temperature: -30 ~ +80 ° C, -40 ~ +80 ° C (low temperature type)

b, the ambient humidity: 5% to 95%

c, ambient atmospheric pressure: 86 ~ 106kPa

d, there is no obvious corrosive gas in the surrounding air

Display

LCD (Note: Blur when the temperature is below -20 ° C)

Explosion protection rating

Ex iaIICT6 (intrinsically safe type)

Ex dIICT6 (Flameproof)

Intrinsically safe, explosion-proof certification: through the explosion-proof certification of qualified institutions
Flameproof, intrinsically safe explosion test

Degree of protection

IP65

Electrical connector

M20X1.5-7H (Standard Standard), 1 / 2NPT

Air supply connector

Rc1 / 4 "associated device

Associated equipment

GS8067-Ex (ia), GS8047-Ex (ia), GS8011-Ex (ia) Isolated safety barrier