

Аксессуары для счетчиков газа

Технические характеристики

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Corrugated stainless steel tubing & connectors



Zenner stainless steel corrugated pipe offer flexibility durability and functionality.

All of our gas connectors (residential and commercial) are CSA certified. Our gas connectors are made of 304 stainless steel and come uncoated or epoxy coated in yellow or black with zinc-plated steel fittings to meet all applications.

Our gas connectors are used for all gas appliances throughout the house such as gas ranges ovens clothes dryers water heaters and furnaces. Our gas connectors are certified to be used outside the house as well such as BBQ grills and radiant heaters. We use 304 stainless steel grade for our products and coated with corrosion-resistant non-flammable yellow PVC or PE.

We offers easy and fast installation for natural gas or propane gas applications. Our gas fittings offer the fastest and most efficient method of connection; 3 step connection process: cut-push-tighten. It is that easy.

Performance characteristics in overview

1. High flexibility, withstands corrosion, durable, reliable, safe, withstands high and low temperatures. It can be bended 70~80 times ;
2. Connector Material: Stainless Steel 304
3. Adapters: brass and plated steel
4. Temperature: $-196^{\circ}\text{C} \sim 427^{\circ}\text{C}$
5. Working Pressure: 3.5kpa
6. Thickness: 0.2~0.25mm
7. Working mediums: city gas., petroleum liquefied gas, natural gas, oil, water.

EVC (Electrical Volume Corrector)



EVC adopts intelligent integrated design which can dynamically test the temperature and pressure of the medium and perform automatic compensation and compression factor correction.

EVC can directly display the standard instantaneous volume flow and the standard total volume of the gas. The product has been proved that their performance is reliable and can be widely used with turbine rotary flow meters and other instruments.

Performance characteristics in overview

- Ambient temperature: $-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Medium temperature : $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- Relative humidity : 5%~95%
- Atmospheric pressure : 70kPa~106kPa
- Explosion-proof grade: Exia II CT4 Ga; Protection grade: IP65

Power supply and consumption

- A. Internal power supply: 3.6V lithium battery power supply the average power consumption is less than 1mW (two lithium batteries can be used for more than 5 years).
- B. External power supply: DC24V $\pm 10\%$ when the external power is connected the circuit automatically switches to the external power supply and the power consumption is less than 1W.

Input signal

- A. Flow signal: (0 ~ 1500) Hz; (Pulse amplitude is 3V)
- B. Temperature signal: -35 °C ~ + 125 °C (PT1000 platinum resistance Accuracy: $\leq \pm 0.5\%$)
- C. Pressure signal: 0MPa ~ 4MPa (accuracy: $\leq \pm 0.5\%$)

RS485 communication

- A. Use photoelectric isolation RS485 interface (communication rate: 2400 bps 4800bps 9600bps; communication method: half-duplex 8 data bits 1 stop bit no parity check)
 - B. MODBUS RTU protocol
- With calorific value display function

Output signal

- A. Mechanical pulse signal: the flow pulse signal is output after amplification and shaping by pre-amplifier.(for flowmeter verification)
- B. 4mA ~ 20mA standard current: the current analog quantity can correspond to the corrected flow pressure or temperature(optional).
- C. Quantitative pulse signal: 0.1m³ 1m³ or 10m³ corresponds to one pulse which is output by OC gate. (Available for IC card controller)
- D. Battery low voltage alarm signal: Normally high level low level when battery is low voltage alarm OC gate output.
- E. Low battery power shut-off signal: usually high level low level when working OC gate output.
- F. Flow / pressure alarm signal: when the instantaneous flow /pressure is lower or higher than the set value it outputs a low level which is usually a high level.

Electrical protection

- A. Double isolation of internal power supply: The DC24V power supply terminal is isolated from the chassis and internal processing circuit and can withstand a shock of DC500V for one minute.
- B. DC24V power supply is resistant to $\pm 500V$ 10ms strong interference impact. RS485 communication is isolated from the DC24V power supply and the chassis and can withstand a shock of DC500V for one minute.
- C. DC3.6V power supply has anti-reverse protection.
- D. RS-485 communication port has transient voltage suppression function anti-lightning strike anti-static discharge shock;
- E. Using photoelectric isolation two-wire current loop can resist 500V 10ms strong interference impact.

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