

# Pressure switch GS



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## CHARACTERISTICS

- Output a dry contact signal when the feedback pressure reaches the set pressure.
- For pressure or pressure gradients monitoring through different connection methods.
- Normally open and normally closed dry contact signals.
- Medium: natural gas, LPG, town gas, air.

## APPLICATIONS

The GS is used for pressure detection. When the pressure reaches the set pressure, a dry contact signal is output to system. The GS can also be used in the safety interlocks of gas or air, or used in conjunction with an orifice plate to monitor changes in gas flow.

# SPECIFICATION

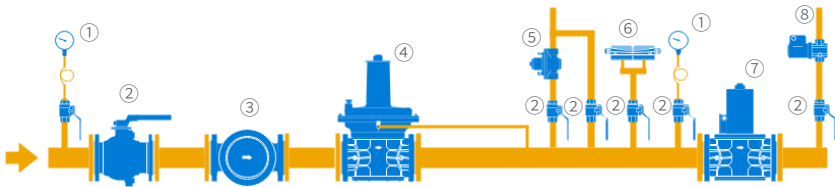
## Type table

Factory pre-assembled double switches: GS 50/150, GS150/500.

Type	GS	150
	Pressure range:	6: 0.4~6 mbar
		150: 30~150 mbar
		10: 1~10 mbar
		500: 100~500 mbar
		50: 2.5~50 mbar

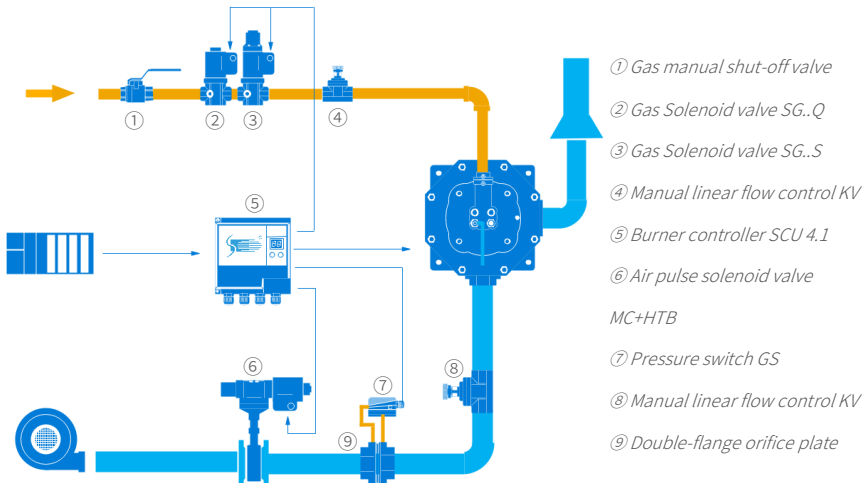
## SOLUTIONS

For pressure monitoring of gas main pipeline



- ① Pressure gauge
- ② Manual shut-off valve
- ③ Gas filter SF
- ④ Pressure regulator GV
- ⑤ Relief valve SRV
- ⑥ Pressure switch GS
- ⑦ Gas Solenoid valve SG
- ⑧ Normally open solenoid valve SOV

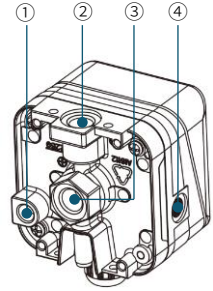
For flow monitoring of air branch pipeline before the burner



- ① Gas manual shut-off valve
- ② Gas Solenoid valve SG..Q
- ③ Gas Solenoid valve SG..S
- ④ Manual linear flow control KV
- ⑤ Burner controller SCU 4.1
- ⑥ Air pulse solenoid valve MC+HTB
- ⑦ Pressure switch GS
- ⑧ Manual linear flow control KV
- ⑨ Double-flange orifice plate

## INSTALLATION

- ①/④ connection: Rp1/8", ②/③ connection: Rp1/4".
- Positive pressure measurement: Ports 2 and 3 are connected to the gas(The port unconnected shall be sealed), ports 1 and 4 are connected to the air.
- Negative pressure measurement: Ports 1 and 4 are connected to the gas (The port unconnected shall be sealed), ports 2 and 3 are connected to the air.
- Pressure gradient measurement: Ports 2 and 3 are connected to high pressure, Ports 1 and 4 are connected to low pressure, the port unconnected shall be sealed. This connection method is unavailable for fuel gases.



## ATTENTION

- Open the pressure switch cover, and wiring according to the normal open/normal closed signal required. Maximum contact capacity: 5 A, 250 V.
- Adjust the threshold as required.
- Maximum inlet pressure: 600 mbar.
- Ambient temperature: -15~60 °C, far away from the heat source.
- Enclosure: IP54, forbid being used in the open air.