

GIV...A Series “A” Class gas valve



APPLICATION:

GIV... A series class A gas valves are used for control and regulation of gaseous fluids in gas power burners, atmospheric gas boilers, melting furnaces, incinerators and other gas consuming appliances.

Technical Data:

Supply voltage: 230/120Vac, 50/60 Hz, $\pm 10\%$;

Ambient temperature: -15°C - 60°C

Maximum operating pressure: <200mbar

Enclosure: IP54

Opening time: < 1 S

Closing time: < 1 S

Electronic connection: DIN connection

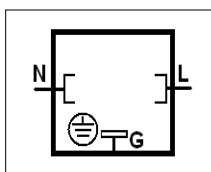
Maximum working frequency: < 20 per minute

Number of cycles: > 200,000

CAUTION:

The coil and body of gas valve will be heated after long time using. To be carefully to contact the gas valve with your hand at adjustment or maintenance.

Fig. 1 DIN connection:



Installation:

- Take care that installer is a trained experienced service man.
- Turn off gas supply before starting installation.
- :Disconnect power supply to prevent electrical shock and/or equipment damage.

Mounting position:

- The gas valve can be mounted plus or minus 90 degrees from the vertical.

Mounting location:

- The distance between the gas valve and the wall/ground, must be at least 30 cm.

Main gas connection threaded valves:

- Take care that dirt shouldn't enter the gas valve during handling.
- Ensure the gas flows in the same direction as the arrow on the housing of the gas valve.
- Use a sound taper fitting with thread according to ISO 7--1(BS 21, DIN 2999) or a piece of new, properly reamed pipe, free from swarf.
- Do not thread or tighten the pipe or pipe fitting too far. Otherwise valve distortion and malfunction could result.
- Apply a moderate amount of good quality thread compound to the pipe or fitting only, leaving the two end threads bare. PTFE tape may be used as an alternative.
- In order to tighten the pipe in the valve, do not use the actuator as a lever but use a suitable wrench operating on the wrench bosses.

Tightness test after installation:

- Paint all pipe connections and gaskets with a strong soap and water solution.
- Start the appliance and check for bubbles. If a leak is found in a pipe connection, remake the joint.

Electrical connection:

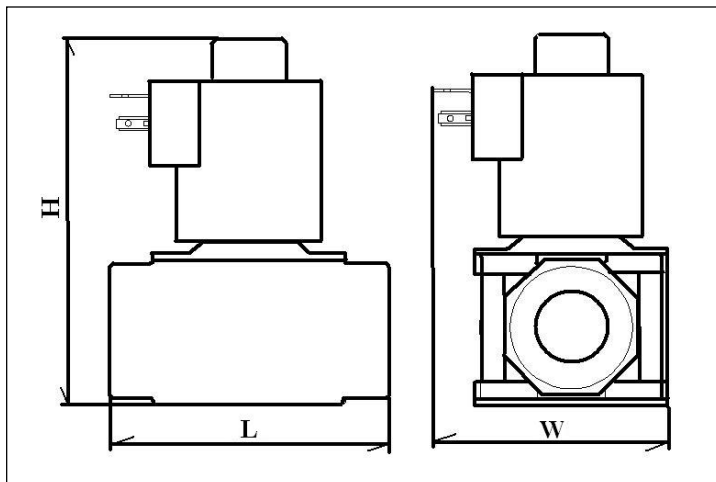
- Switch off power and gas supply before making electrical connections.
- Take care that wiring is in accordance with local regulations.
- Use lead wire which can withstand 105 °C ambient.
- Use the DIN plug with the gas valve to connect.
- Please according to Fig. 1 to connect wires.

Ordering information:

Model	connection	Voltage Vac	Size HxLxW	Pressure Switch position	Flow Rate Nm ³ /H
GIV10A220A	G3/8 吋	230	105x70x67	No	3.5
GIV10A110A	G3/8 吋	110	105x70x67	No	3.5
GIV15A220A	G1/2 吋	230	105x70x67	No	3.8
GIV15A110A	G1/2 吋	110	105x70x67	No	3.8
GIV20A220A	G3/4 吋	230	120x90x77	Yes	7.5
GIV25A220A	G1 吋	230	120x90x77	Yes	8.5

Flow rate: air, at $\Delta p = 2,5\text{mbar}$ and 20°C , $\pm 10\%$

Fig.2 Dimension of GIV...A:



Spare parts:

	GIV 40/50B 220Vac
Coil 10/15A220	CV-15-220
Coil 20/25A220	CV-25-220
DIN Plug	DIN-1025-4
Top nut	TS-1025

Troubleshooting:

- If the valve can not work normally, please check it as follow:
 - a. Supply power should be: 230Vac, 50/60 Hz, $\pm 10\%$;
 - b. The input gas pressure is less than 200mbar;
 - c. Check the resistant of coil is $1180\ \Omega \pm 2\%$.
- If the gas is dirty, please add suitable fitter before the gas valve. Otherwise the valve cannot open well with long time using.

Standards:

The VE series gas valves have been designed to meet the European Standard EN 161.
The safety shut off valve meets class A requirements.