

Overview :

The GEV500 by Neowave is a series of gas emergency shut-off solenoid valves designed as breakers for gas pipes in emergencies. It can connect with gas leakage sensors, fire alarms, or other intelligent modules, allowing on-site or remote gas supply shutdown for enhanced safety. The valve includes an auto-close feature activated by strong vibrations, meeting safety standards. After closure, manual operation is necessary to reopen the valve, adding an extra layer of security in accident scenarios.

Operation instruction :

1. There are two ways to close the valve:

- (a) An electric impulse of 1 sec (DC 9V), or
- (b) Press the red knob (must open the protective cover first). After this operation, the valve remains closed.

Note: the protective cover must remain on position at all times.

2. When the valve is closed, manually pull the red knob up to turn it on. Then the valve remains on.

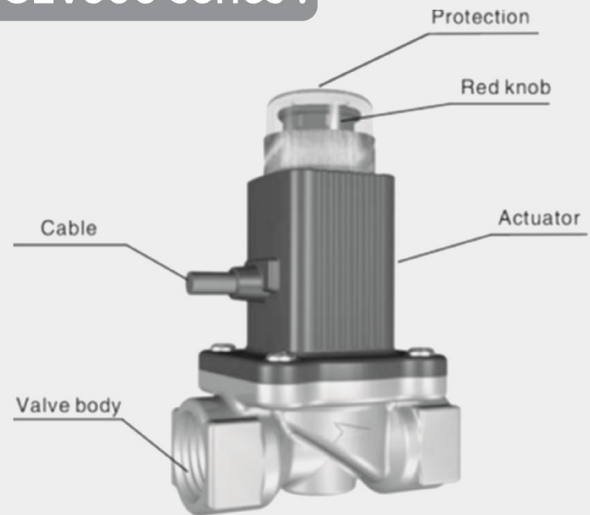
Note: the valve may not be pulled up if gas pressure on both sides (inlet and outlet) is not balanced.

Take necessary action to ensure that they are balanced, then pull the knob up again, force pulling it may result in damage to the valve.

3. The valve will close automatically when it detects strong vibrations. Should this feature fail, notify the contractor or manufacturer for repair.

4. After closing, careful inspection is required. Do exercise caution when the valve needs to be turned on again.

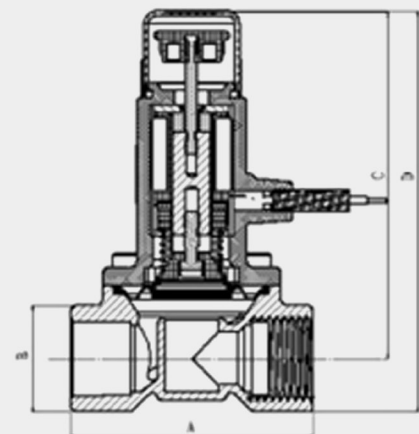
GEV500 series :



Feature :

- ▮ Emergency gas shut-off.
- ▮ Connects to gas leakage sensors.
- ▮ Compatible with fire alarms.
- ▮ Enables on-site or remote shutdown.
- ▮ Manual or automatic operation.
- ▮ Ensures gas usage safety.
- ▮ Auto-close during vibrations.
- ▮ Requires manual reopening.
- ▮ Complies with safety regulations.

Dimensions in : mm



Size	A(mm)	B(mm)	C(mm)	D(mm)
DN15B	63	30	93	108
DN20B	74	37	95.5	114
DN25B	78	40	96	116



NEO WAVE®

Specification :

Suitable gas types	LPG
Body	Body Wrought aluminum alloy
Sealing material	NBR rubber
Operation temperature	"-10~50°C"
Pressure max	50kpa
Connection	G1/2", G3/4", G1"
Turn on	Manual
Closing modes	Current impulse or manual
Driving Voltage	DC 9-12V
Close time	<1sec
Explosion proof mar	Exmb T4
Lead wire	0.4m

Installation:

1. Only authorized person is permitted to install the valve.
2. The valve must be installed after the indoor main valve.
3. Place the valve according to the gas flow direction marked on the valve body;The coil must not be placed downward. A valve can be installed horizontally or vertically.
4. The valve control wires should be connected correctly. White indicates positive while black stands for negative. Mismatch leads to fatal consequences.
5. Remove the valve during pipe maintenance, such as pressurized cleaning, to prevent damage to the valve sealing.
6. During pressure tests, the valve should be turned on.
7. The valve's opening knob can be pulled up when equal pressure has been reached at the inlet and the outlet of the valve.
8. Caution against wrong polarity, incorrect voltage, or prolonged power-on periods to prevent electromagnetic coil damage.
9. Wiring Requirements

- Cable:dual core.3×0.75mm² Or above
- Length of cable < 50meters

