

Solenoid valves for gas GSV



- Safety shut-off valves for gas
- Suitable for a max. inlet pressure of 500 mbar (500 hPa/7 psig)
- Easy installation into a system
- Compact design saves space
- No extra valve required owing to integrated flow adjustment
- Check indication by blue LED
- Proof of closure switch with integral visual position indicator
- Suitable for high-duty cycling



Replacement possibilities

Solenoid valve for gas VG is to be replaced by GSV.

Type code GSV 1 - 3

| Code | Description |
|--------------------------------|------------------------------------|
| GSV | Gas solenoid valve |
| 1 - 3 | Size |
| T | T-product |
| 10, 15, 20, 25, 32, 40, 50, 65 | Nominal inlet and outlet diameter |
| R | Rp internal thread |
| N | valve quick opening, quick closing |
| L | valve slow opening, quick closing |
| K | Mains voltage 24 V DC |
| Q | Mains voltage 120 V AC; 50/60 Hz |
| W | Mains voltage 230 V AC; 50/60 H |

Technical data

Gas types: natural gas, LPG (gaseous), biologically produced methane (max. 0.1 %-by-vol. H₂S) or clean air; other gases on request. The gas must be dry in all temperature conditions and must not contain condensate.

CE and FM approved, UL listed, max. inlet pressure p_U: 500 mbar (500 hPa/7 psig).

FM approved, non operational pressure: 700 mbar (700 hPa/10 psig).

ANSI/CSA approved: 350 mbar (350 hPa/5 psig).

Flow adjustment limits the maximum flow volume between approx. 20 and 100%.

On GSV 1 - 3, the setting can be monitored on an indicator.

Adjustment of the start gas rate: 0 to approx. 70%.

Opening times:

GSV../N quick opening: ≤ 1 s; GSV../L slow opening: up to 10 s.

Closing time:

VAS../N, VAS../L quick closing: < 1 s.

Ambient temperature:

-20 to +60°C (-4 to +140°F), no condensation permitted. Storage temperature:

-20 to +40 °C (-4 to +104°F), no condensation permitted.

Safety valve:

Class A Group 2 pursuant to EN 13611 and EN 161, Factory Mutual (FM) Research Class: 7410 and 7411, ANSI Z21.21 and CSA 6.5.

Mains voltage:

230 V AC, +10/-15%, 50/60 Hz,

120 V AC, +10/-15%, 50/60 Hz,

100 V AC, +10/-15%, 50/60 Hz,

24 V DC, ±20%.

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