

# 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



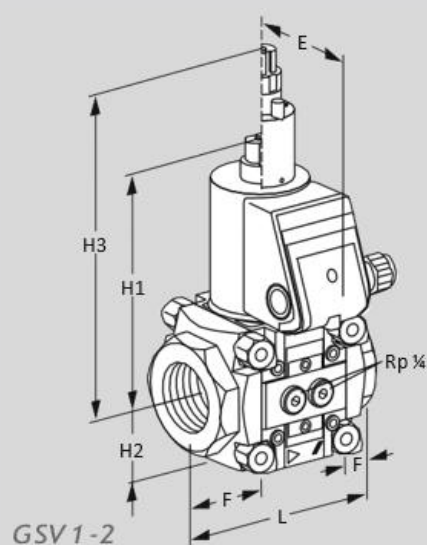
## Replacement possibilities

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

**Type code GSV 1 – 2**

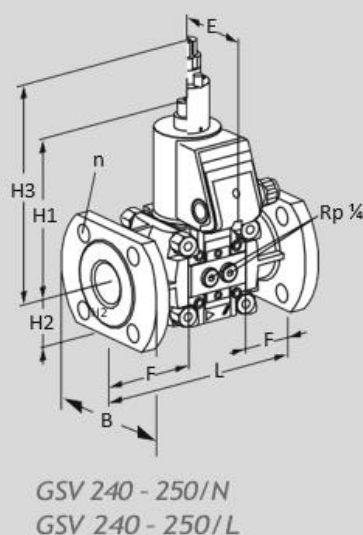
Code	Description
GSV	Gas solenoid valve
1 – 2	Size
T	T-product
10, 15, 20, 25, 32, 40, 50, 65	Nominal inlet and outlet diameter
R	Rp internal thread
N	valve quick opening, quick closing
L	valve slow opening, quick closing
K	Mains voltage 24 V DC
Q	Mains voltage 120 V AC; 50/60 Hz
W	Mains voltage 230 V AC; 50/60 H

## Dimensions



### VAS 1 – 2 with Rp internal thread [mm]

Type	Connection		Dimensions									Weight
	Rp	DN	L mm	E mm	F mm	G mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	kg
<b>GSV 115</b>	1/2	15	75	75	15	67.3	143	32	208	161	226	1.4
<b>GSV 120</b>	3/4	20	91	75	23	67.3	143	32	208	161	226	1.5
<b>GSV 125</b>	1	25	91	75	23	67.3	143	32	208	161	226	1.4
<b>GSV 240</b>	1.1/2	40	127	85	29	98.2	170	47	235	191	256	3.8
<b>GSV 250</b>	2	50	127	85	29	98.2	170	47	235	191	256	3.6



### GSV 2 with ISO flange [mm]

Type	Connection	Dimensions											Weight
		L	E	F	G	B	n	H1	H2	H3	H4	H5	
	DN	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	kg
GSV 240	40	200	85	66	98.2	150	4	175	56	240	196	258	5

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## Technical data

Gas types: natural gas, LPG (gaseous), biologically produced methane (max. 0.1 %-by-vol. H<sub>2</sub>S) 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<sub>U</sub>: 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%.

# Yamataha

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