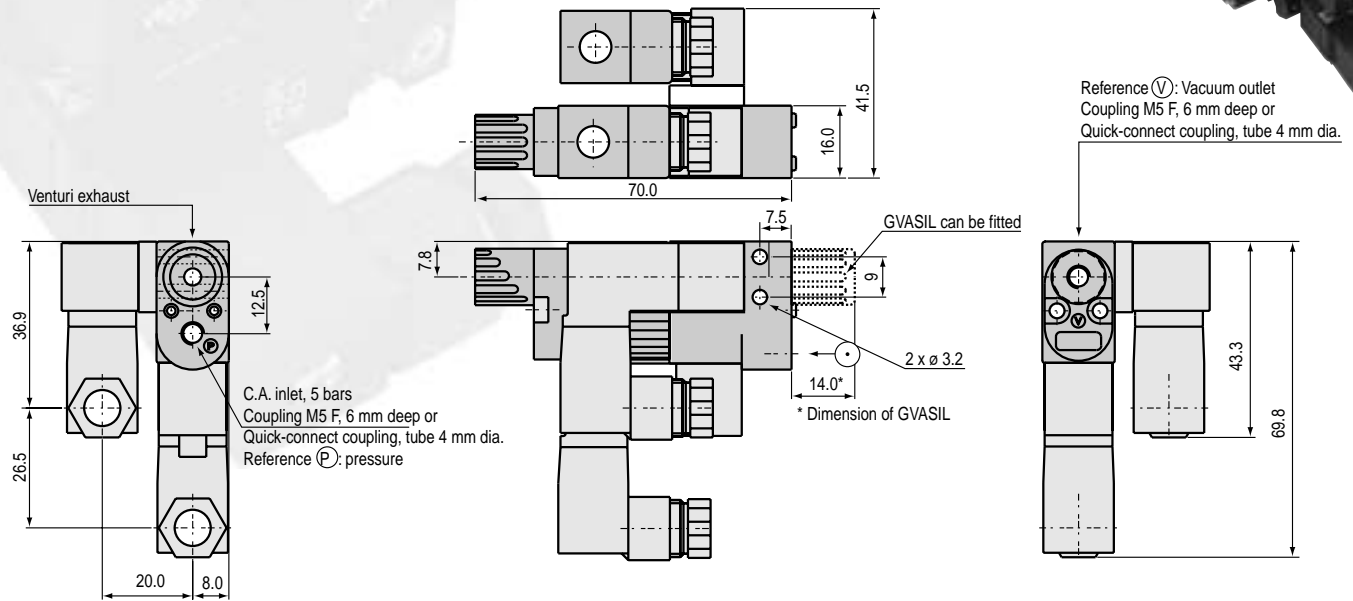


Micro-venturis with gripping & blow-off control, series GVAD



1



Applications:

The mini-venturis in series GVAD combine the advantages of series GVAS and GVAB: **solenoid control** as in series GVAS and **blow-off control** as in series GVAB while retaining very small dimensions and light weight. Their compact design makes them easier to integrate into **on-vehicle robotic** systems. Both control valves must be supplied with air to perform the blow-off function.

Characteristics:

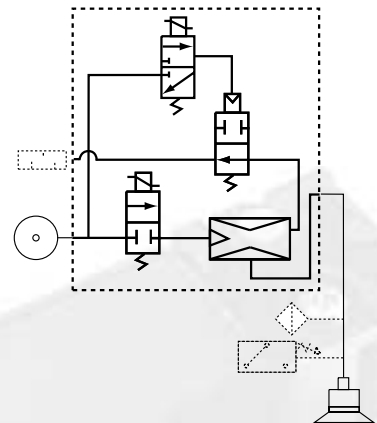
Characteristics	Nozzle ø	Air consumption	Maximum vacuum	Drawn-in air	At air pressure
Models	mm	NI/min	%	NI/min	bar
GVAD 07 (blue)	0.7	21	82	12	5
GVAD 09 (grey)	0.9	36	82	18	5

Specifications:

Compressed air	Filtered, non-lubricated, pressure 2 to 6 bars
Temperature	-10 to 80°C
Material	Polyacetal (POM) for venturi and base (black)
Weight	100 g
Control valve	24 V DC N.C. (24 V AC - 220 V AC)
Operating frequency	2 Hz

Fitting of optional equipment:

- Fitting of silencers GVASIL or GVASPO
- Connection for exhaust collection GVAC
- Vacuum filter GVA F18
- For manifold fitting, consult our technical department.



See options on page 12.

GVAD

1	2	3	4
1: Nozzle diameter	2: Connection	3: Control valve	4: Silencers
07 0.7 mm (blue)	M5 C.A. and vacuum M5	E1 24 V DC N.C.	- No silencer
09 0.9 mm (grey)	24 C.A. and vacuum 2.7/4 mm	E- Others on request	S GVASIL
	M5-24 C.A. M5 and vacuum 2.7x4		SPO GVASPO
	24-M5 C.A. 2.7x4 and vacuum M5		

See curves GVA, S, B and D on page 13.

Options for micro-venturis, series GVA, S, B, D

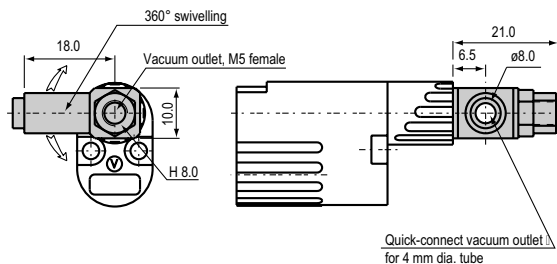
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Option GVA V:

(Option applicable for GVA, S, B and D, vacuum outlet M5)

This option allows a vacuum connector to be fitted on the suction cup system for connection to a monitoring vacuum switch (such as PSE 100). This provides data on the vacuum level.

Connection for 4 mm dia. tube.

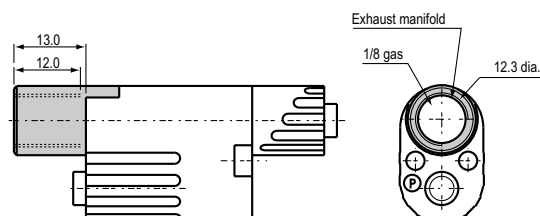


Option GVA C:

(Factory fitted)

Female connection 1/8 G (gas type) for collection of venturi exhaust.

If a number of venturis are used, it is recommended to use a manifold, option GVAG2.

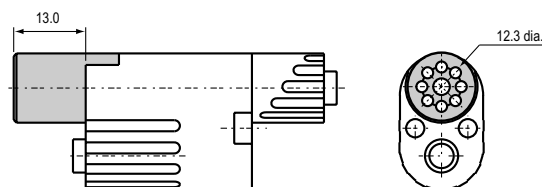


Option GVASIL:

Female connector 1/8 G.

Silencer for GVA.

10 dBa noise level attenuation.

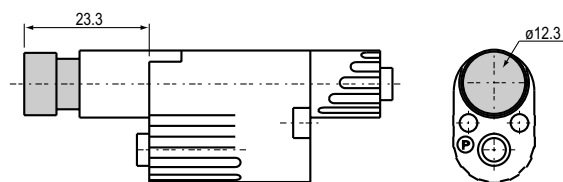


Option GVASPO:

Silencer more efficient than GVASIL.

20 dBa noise level attenuation.

Adjustment for adaptation to GVA07 or GVA09 models by screwing or unscrewing the white part.

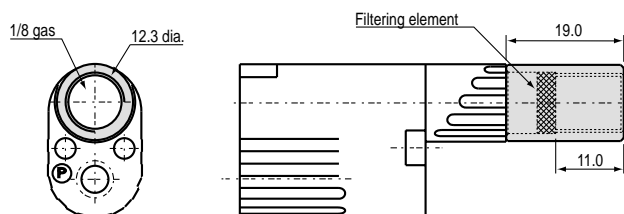


Option, vacuum filter GVA F18:

(Fitting on GVA, S, B, D, vacuum outlet M5)

450-micrometre filtration to avoid blocking of the venturi by dust.

Note: These options are compatible with option GVAV. In this case, option GVAV must be fitted between GVA and option GVAF.



Accessory GVAG2 (3/4/6) Manifold:

Compatible with GVA and GVAS (M5 or 24)

Possibility of battery installation (manifold),

4 manifold models for 2, 3, 4 or 6 venturis simultaneously, exhaust manifold and a single compressed air supply.

Material: anodized aluminium.

Models	GVA G2	GVA G3	GVA G4	GVA G6
L (mm)	55	72.5	90	125
M (mm)	45	62.5	80	115

Option GVAP, Manifold:

Plug plate for blanking of unused venturi position.

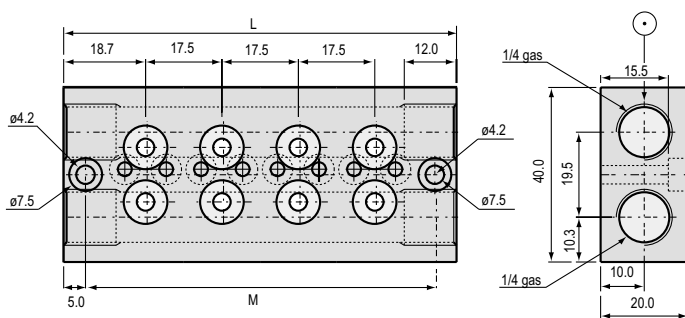
Option GVAGB Manifold:

Plug, 1/4 gas type, blanking of compressed air or exhaust.

Fitting of silencer on exhaust:

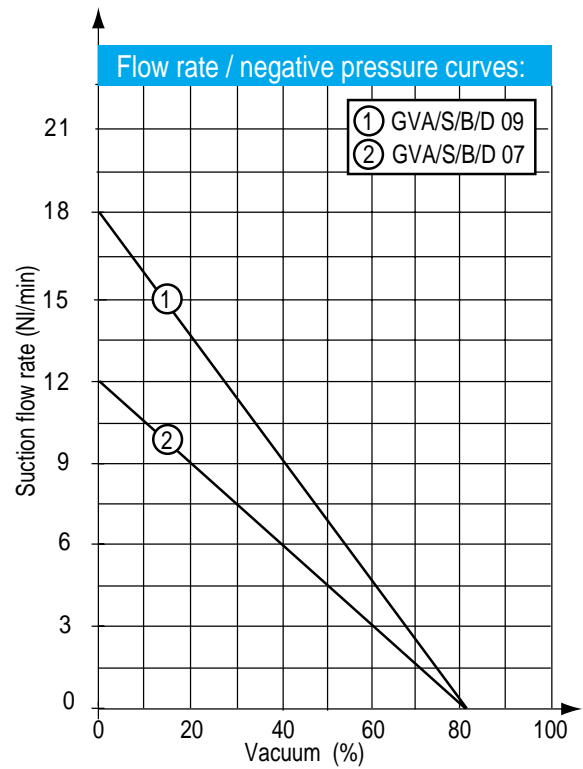
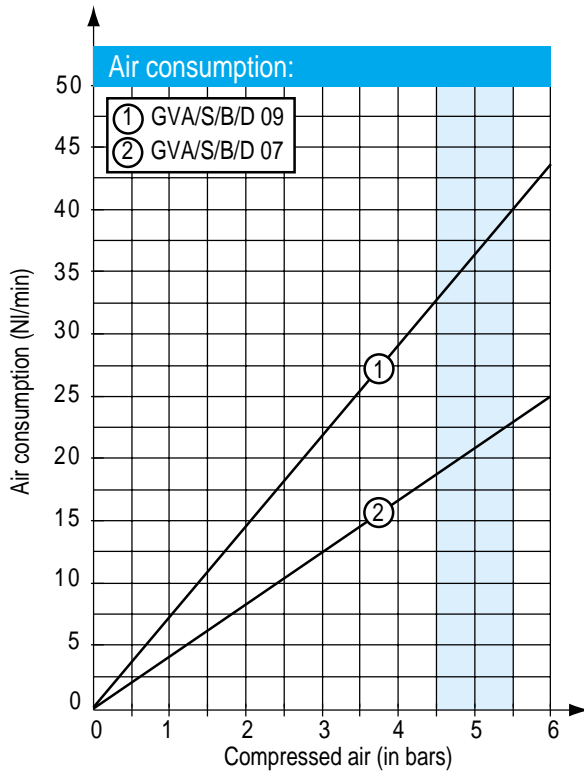
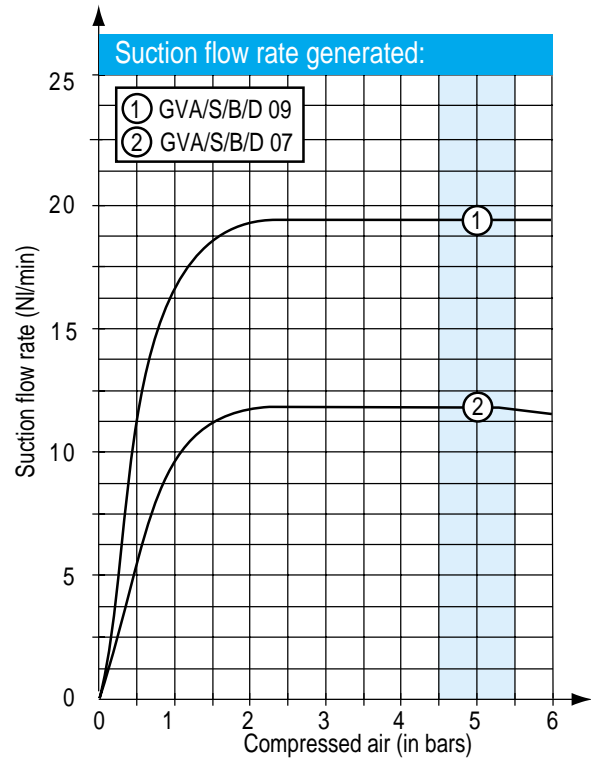
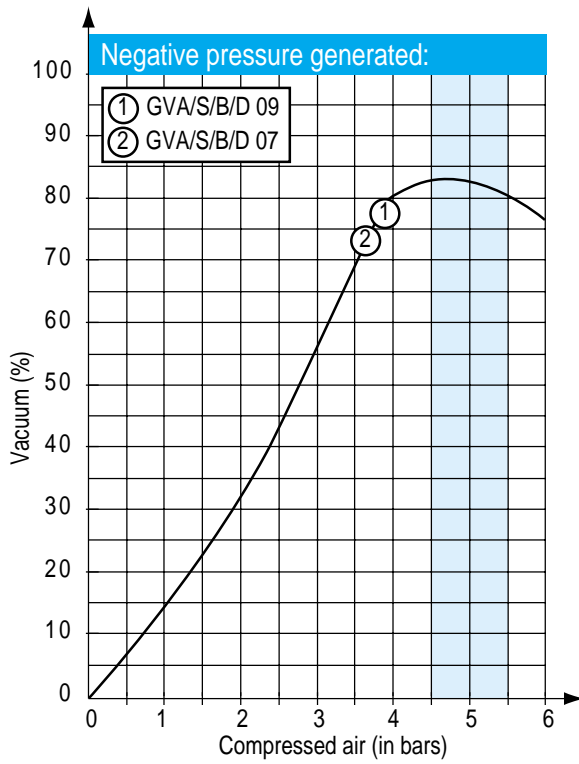
Model SILGV15

Both "exhaust" outlets must be open for GVA G4 and GVA G6. Each of them is equipped with a silencer.



Dimensions and characteristics may be modified without notice.

Curves for micro-venturis, series GVA, S, B, D



Dimensions and characteristics may be modified without notice.

The curves shown above indicate the mean values of the capacities of our products.