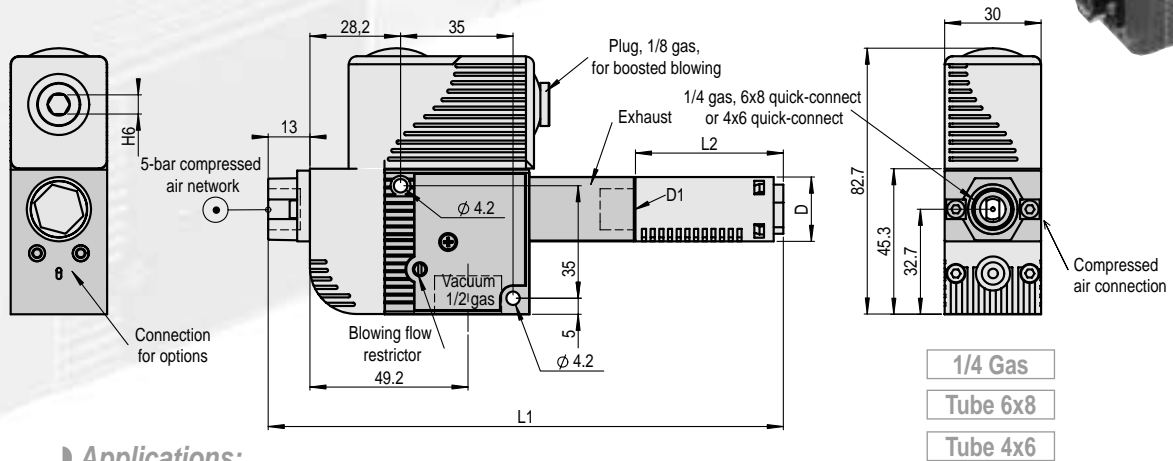


Venturis with automatic blow-off, series GVC



Applications:

Vacuum generators in series GVC are venturis with **automatic blow-off**. This special feature allows the part gripped to be released automatically, so **speeding up work rates** and simplifying the wiring of the venturi. For control of vacuum generation, see the GVCS range. The addition of a 1/8 gas type male connection on the unit allows the fitting of a supplementary compressed air tank to increase the **blowing capacity**, e.g. for large-diameter suction cups.

Characteristics:

Characteristics	Nozzle ø	Air consumption	Max. vacuum as %		Drawn-in air Nl/min		D mm	D1 Gas	L1* mm		L2 mm	
			T	N	T	N			N/T	S	K	
Models	mm	Nl/min					N/T	N/T				
GVC 12	1.2	67	75	90	63	45	20	1/4	150.2	45	68	
GVC 15	1.5	100	75	90	95	70	20	1/4	160.2	45	68	

On standard basis, supplied with silencer S.
(* L1 equipped with standard silencer)

Specifications:

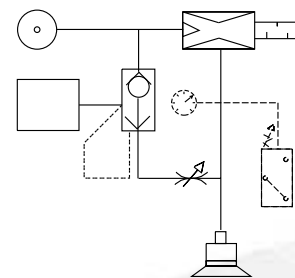
Compressed air	Filtered, non-lubricated, 2 to 6 bars
Temperature	0 to 60°C
Unit material	DELTRIN 500, grey and blue
Optimal pressure	5 bars
Blowing flow rate	Adjustable by flow restrictor
Body material	DELTRIN
Operating frequency	2 Hz

Options:

See pages 28 to 31.
Blowing adjustment on bottom for manifold installation.
Provision of a 1/8 gas type port on front for connection of a vacuum gauge.

Specific features (on request):

The auto blow-off function is also available with more powerful vacuum generators (2 and 2.5 mm nozzles).



GVC — 1 — 2 — 3 — 4

1: Nozzle	
12	1.2 mm
15	1.5 mm

2: Characteristics	
T	75% vacuum
N	90% vacuum

3: Silencer	
-	Without silencer
S	Large reduction in dB
K	Through type

4: C.A. coupling	
14	1/4 Gas BSPP
46	tube 4x6 calibrated
68	tube 6x8 calibrated

Note: Versions N and T: silencer S
Curves and characteristics on pages 33 and 34.

Selecting a venturi

Evacuation time in seconds for 1 litre:

% VACUUM	10	20	30	40	50	60	70	80	85
GV 05 N	1.07	2.30	3.73	5.45	7.55	10.48	14.74	24.31	-
VR 05	0.92	1.96	3.18	4.63	6.38	8.79	12.17	18.96	27.39
GVA 07	0.54	1.15	1.88	2.76	3.86	5.44	7.87	15.40	24.29
VR 07	0.46	0.98	1.58	2.28	3.13	4.27	5.80	8.55	11.01
GVA 09	0.36	0.77	1.25	1.84	2.57	3.62	5.24	10.27	16.19
VR 09	0.31	0.65	1.05	1.52	2.09	2.85	3.87	5.70	7.34
GV 10 N	0.24	0.51	0.82	1.18	1.62	2.21	3.01	4.43	5.71
GVP 12 N	0.14	0.30	0.49	0.71	0.97	1.33	1.81	2.66	3.42
GV 15 N	0.10	0.22	0.35	0.51	0.70	0.95	1.29	1.90	2.45
GVP 15 N	0.09	0.20	0.32	0.46	0.63	0.85	1.16	1.71	2.20
GV 20 N	0.05	0.11	0.18	0.26	0.35	0.48	0.65	0.96	1.23
GVP 20 N	0.06	0.12	0.19	0.28	0.38	0.52	0.71	1.04	2.13
GVP 25 N	0.03	0.07	0.11	0.16	0.22	0.30	0.41	0.60	0.77
GVP 30 N	0.02	0.05	0.08	0.12	0.17	0.23	0.31	0.45	0.58
% VACUUM	10	20	30	40	50	60	70	-	-
GVP 12 T	0.10	0.22	0.37	0.55	0.78	1.16	1.92	-	-
GVP 15 T	0.07	0.15	0.24	0.36	0.52	0.77	1.27	-	-
GVP 20 T	0.04	0.09	0.14	0.22	0.31	0.46	0.76	-	-
GVP 25 T	0.03	0.06	0.10	0.14	0.21	0.30	0.50	-	-
GVP 30 T	0.02	0.04	0.07	0.10	0.15	0.22	0.37	-	-
% VACUUM	10	20	30	35	40	45	-	-	-
GV 05 X	0.74	1.66	2.89	3.69	4.71	6.12	-	-	-
GV 10 X	0.19	0.42	0.72	0.92	1.18	1.53	-	-	-
GVP 12 X	0.05	0.11	0.22	0.33	0.62	0.62	-	-	-
GV 15 X	0.07	0.16	0.27	0.35	0.45	0.58	-	-	-
GVP 15 X	0.04	0.09	0.15	0.20	0.27	0.39	-	-	-
GV 20 X	0.04	0.09	0.16	0.20	0.26	0.33	-	-	-
GVP 20 X	0.03	0.06	0.11	0.15	0.19	0.28	-	-	-
GVP 25 X	0.02	0.04	0.08	0.10	0.14	0.19	-	-	-
GVP 30 X	0.01	0.03	0.06	0.08	0.11	0.15	-	-	-

Weight of venturis in grams:

MODELS	12	15	20	25	30	-	-	-	-
GVP	100	110	160	180	265	-	-	-	-
GVPS	180	190	240	260	345	-	-	-	-
GVPD	270	280	330	340	425	-	-	-	-
GVC	170	180	-	-	-	-	-	-	-
GVCS	250	260	-	-	-	-	-	-	-
GVS	465	475	525	545	630	-	-	-	-
OPTIONS									
GVO PSE100 E	Electrical output vacuum switch	150 g							
GVO PSE100 EC	Electrical output vacuum switch with connector	45 g							
GVO PSL100 PNP	Electronic vacuum switch	25 g							
GVO PSA100 PNP	Display type electronic vacuum switch	38 g							
GVO VAF11140	Vacuum gauge VAF11140	100 g							
CONTROLLERS									
Pneumatic controller	8 g								
Electric controller	40 g								

Dimensions and characteristics may be modified without notice.