



## CHV

## Vacuum Pumps/Generator

### Features

- Equipped with fixed holes for attaching a silencer, it generates minimal noise, offers improved performance, and is easy to install.
- Vacuum holes effectively prevent foreign objects from entering.
- Precise installation hole craftsmanship ensures error-free installation.
- The outer shell is made from high-quality aerospace extruded aluminum, processed and anodized to enhance impact resistance and corrosion resistance.
- Application range: electronics, packaging, printing, plastics, food, woodworking machinery.



## Order Code

CHV - 15 - N - K  
 ①      ②      ③      ④

① Model

② The diameter of the nozzle

05	0.5mm
10	1.0mm
15	1.5mm
20	2.0mm
25	2.5mm
30	3.0mm

③ switch

N	without a switch
S	with a microswitch

④ adjustable

unmarked	standard type
K	adjustable type

Model	CHV-25	CHV-30
parameters		
Fluid Used	Oil-free compressed air	
Ambient Temperature (°C)	0~60 (non-freezing)	
Operating Pressure Range (bar)	1~6	
Nozzle Diameter (Ømm)	2.5	3.0
Rated Pressure (bar)	5	5
Vacuum Flow (l/mm)	160	225
Attainable Vacuum Pressure (kPa)	-92	-92
Air Consumption (l/min)	265	385

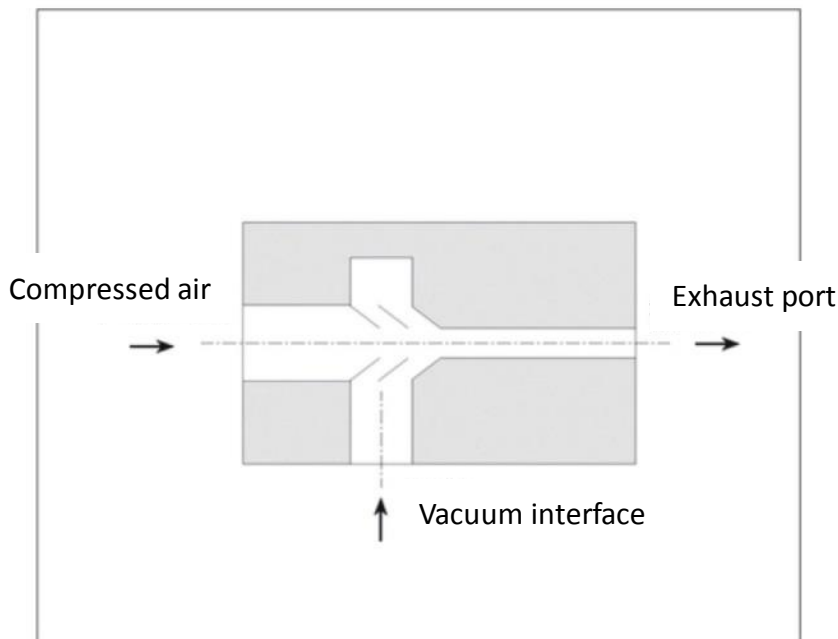
Model	CHV-05	CHV-10	CHV-15	CHV-20
parameters				
Temperature	0-60°C			
Lubrication	Not required			
Fluid used	Air			
Pressure used	0.1~1.5Mpa(1.0~15kgf/cm <sup>2</sup> )			
Vacuum level	-91Kpa(690mmHg)			
Nozzle diameter (mm)	0.5	1.0	1.5	2.0



Adjust switch parameters

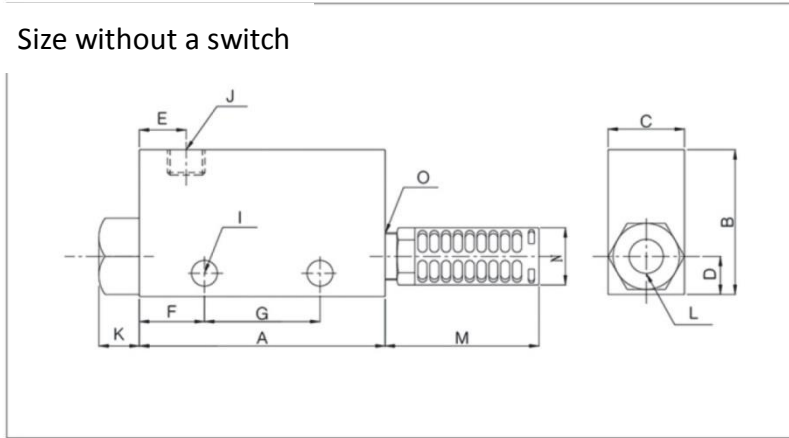
Model parameters	CHV- □□ -S	CHV- □□ -SK
Setting Range (Kpa)	-39(-300mmHg)	-20~-53(-150~400mmHg)
Set Value Under Load (Kpa)	-39(-300mmHg)	-46.6(-350mmHg)
Operational Accuracy (Kpa)	$\pm 5.3(\pm -40\text{mmHg})$	
Error (Kpa/mmHg)	4.0~13.3(30~100mmHg)	
Switch Parameters	AC125A:5A,AC250V:3A	
Operating Temperature (° C)	0-60°C	

Vacuum generator schematic

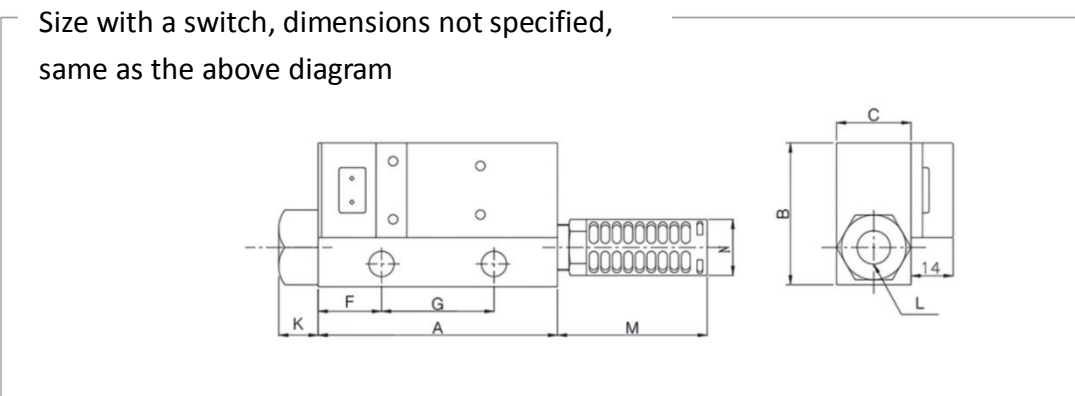




## Dimensions (mm)



Model	A	B	C	D	E	F	G	H	I	J	K	M	N	O
CHV-05	45	33	16	10	8	14	20	4.5	2-Ø4.2	G1/8	10	33	16	G1/8
CHV-10	45	33	16	10	8	14	20	4.5	2-Ø4.2	G1/8	10	33	16	G1/8
CHV-15	63	35	20	11	10	20	25	5	2-Ø4.5	G1/4	15	55	20	G1/4
CHV-20	85	40	30	15	13	28	32	7	2-Ø6.0	G3/8	20	80	30	G1/2

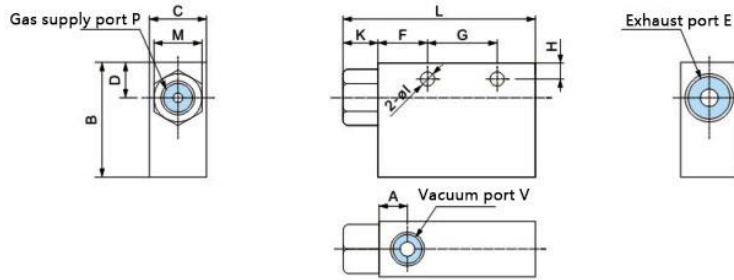


Model parameters	CHV-05	CHV-10	CHV-15	CHV-20
B	33	33	35	50
M	33	33	55	80



Standard type : Without silencer and Vacuum signal switch

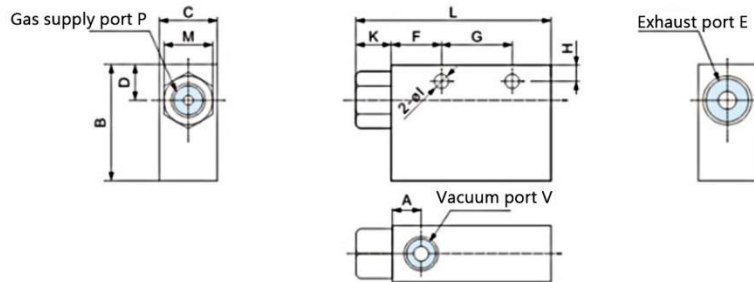
(mm)



Model	A	B	C	D	E	F	G	H	øI	K	M	L	P	V	Compatible with dedicated silencer model
CHV-25	16	60	40	20	G3/4	20	50	5.5	6	17	26	117	G3/8	G1/2	G3/4

Standard type : Without silencer and Vacuum signal switch

(mm)



Model	A	B	C	D	E	F	G	H	øI	K	M	L	P	V	Compatible with dedicated silencer model
CHV-30-N	20	60	40	20	G3/4	33	50	5.5	6	20	30	138	G1/2	G3/4	G3/4

## parameters

Model parameters	Nozzle diameter (mm)	Attainable vacuum level -Kpa(-mmHg)	Air consumption rate (L/min)	Standard air pressure Mpa(Kgf/cm <sup>2</sup> )	Exhaust volume (L/min)
CHV-05	0.5	86.7(650)	13	0.5(5)	6
CHV-10	1	91.8(690)	44	0.5(5)	27
CHV-15	1.5	91.8(690)	100	0.5(5)	63
CHV-20	2	91.8(690)	180	0.5(5)	110