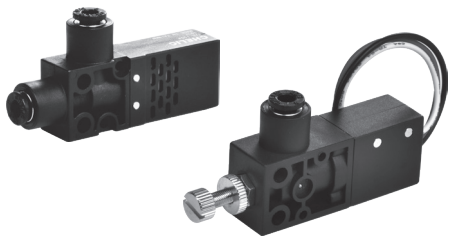
VAB/ VAS/ VABS series Vacuum Ejector

Product features/ Code of order

CHELIC

Feature

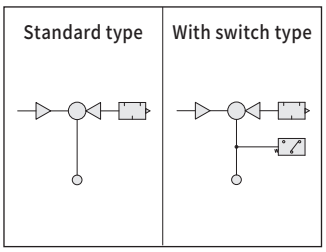
- Light and compact, easy to install.
- Fitting design, easy to piping.
- Sensing switch: manual type pressure switch option



Specification

Item \ Model		0704	0706	1204	1206	1508	1510
Fluid		Air					
Ambient and fluid temperature	℃	0~60					
Lubrication		Unnecessary					
Pressure range	MPa(kPa)	0.1~0.6(100~600)					
Nozzle diameter	Ø(mm)	0.7	0.7	1.2	1.2	1.5	1.5
Max. Vacuum value		-91.8					
Port size	Ø(mm)	4	6	4	6	8	10

Vacuum ejector symbol



Mechnical vacuum signal confirmation device

Item \ Model		VAS-04	VAS-06	VAS-08	VAS-10
Setting range	kPa(mmHg)	-39.9(-300)	-20.0~-53.2(-150~-400)		
Default setting	kPa(mmHg)	-39.9(-300)	-46.6(-350)		
Accuracy	kPa(mmHg)	±5.3(±40)			
Hysteresis	kPa(mmHg)	4.0~13.3(30~100)			
Electrical rating		AC125V：5A、AC250V：3A			
Ambient and fluid temperature	℃	0~60			
Port size	Ø(mm)	4	6	8	10

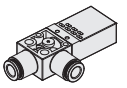
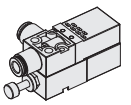
Vacuum ejectors performance table

Item / Model	Nozzle diameter (mm)	Port size (mm)	Suction flow (L/min)	Vacuum pressure kPa(mmHg)	Air consumption (L/min)	Supply air pressure MPa(kPa)
VAB-0704	Ø0.7	Ø4	9	-86.7(650)	22	0.5(500)
VAB-0706	Ø0.7	Ø6	9	-91.8(690)	22	0.5(500)
VAB-1204	Ø1.2	Ø4	32	-91.8(690)	64	0.5(500)
VAB-1206	Ø1.2	Ø6	32	-91.8(690)	64	0.5(500)
VAB-1508	Ø1.5	Ø8	64	-91.8(690)	192	0.5(500)
VAB-1510	Ø1.5	Ø10	64	-91.8(690)	192	0.5(500)

Code of order VABS 07 06

1 2 3

1

Mark	With switch	Image
VAB	Without switch	
VABS	With vacuum pressure switch	

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Mark	Nozzie diameter
07	0.7
12	1.2
15	1.5

3

Mark	Port size (mm)
04	Ø4
06	Ø6
08	Ø8
10	Ø10

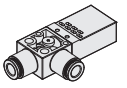
VAB series Selection table:

Model	1 With switch	2 Nozzie diameter	3 Port size
VAB	S	07	04
			06
		12	04
			06
		15	08
			10

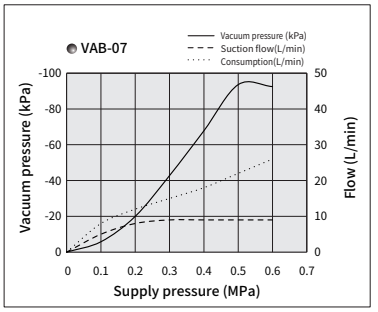
Code of order VAS 04

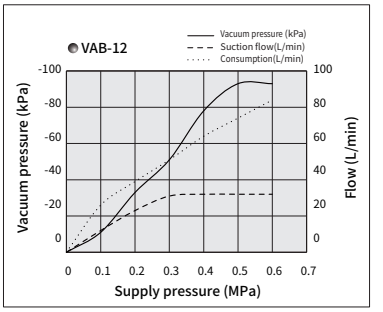
1

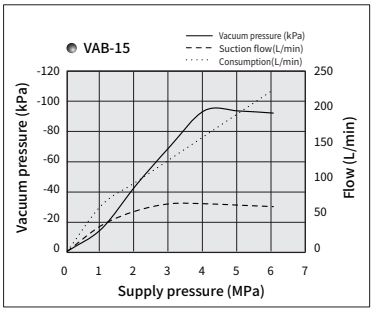
1

Mark	Port size (mm)	Image
04	Ø4	
06	Ø6	
08	Ø8	
10	Ø10	

Characteristics



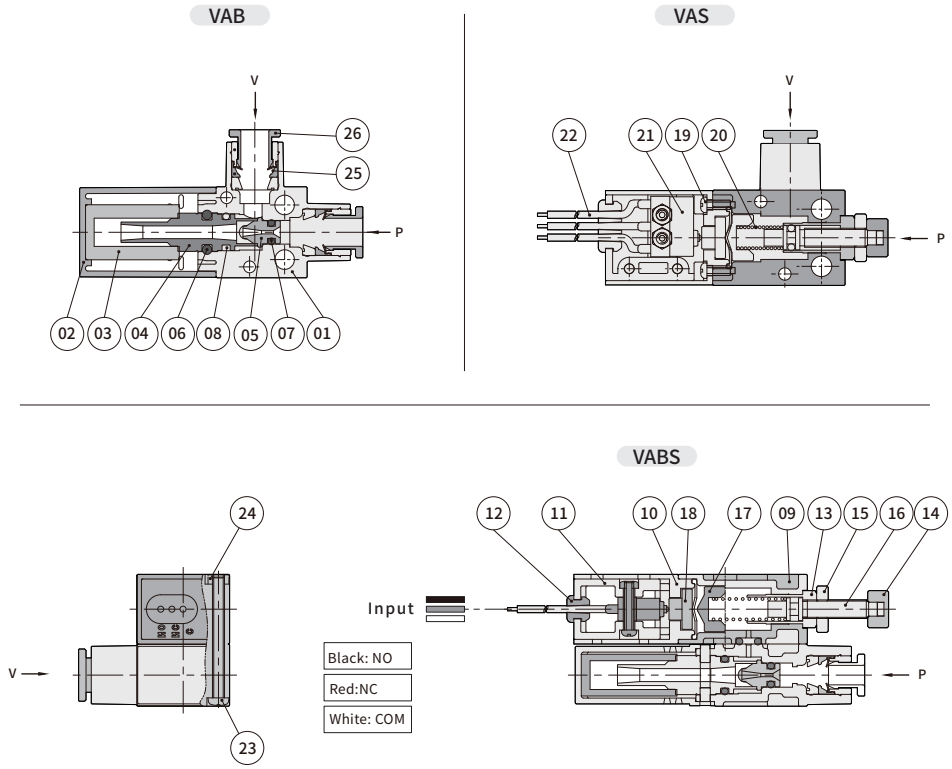




VAB/ VAS/ VABS series Vacuum Ejector

Product features

Internal structure

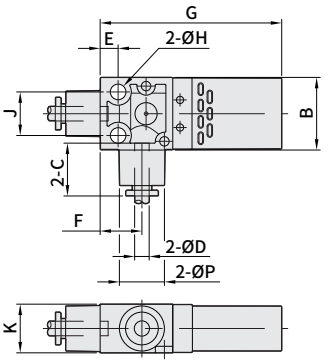


Components and Material list

No.	Item	Material	No.	Item	Material
01	Ejector body	Nylon fiber	14	Adjusting bolt	Copper Alloy
02	Filter cap	Nylon fiber	15	Screw	Copper Alloy
03	Filter	EA30	16	Adjusting rod	Copper Alloy
04	Exhaust pipe	Copper Alloy	17	Spring block	Copper Alloy
05	Nozzle	Copper Alloy	18	Sensor block	Copper Alloy
06	Pin	Copper Alloy	19	Sensor device screw	Copper Alloy
07	Nozzle O-ring	NBR	20	Spring	Spring steel
08	Exhaust pipe O-ring	NBR	21	Sensor	-
09	Mechanical switching body	Nylon fiber	22	Sensor device cable	Brass, Plastic
10	Switching lower body	Nylon fiber	23	Vacuum body screw	Alloy steel
11	Sensor holder	Nylon fiber	24	Vacuum body nut	Alloy steel
12	Wire holder	NBR	25	The 3-fitting part	Copper Alloy
13	Lever sleeve	Copper Alloy	26	Release ring	POM

External dimensions

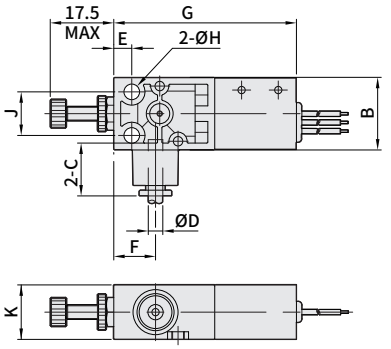
VAB Vacuum ejector



Unit: mm

Model \ Item	Port size ØD	ØP	B	C	E	F	G	H	J	K	Weight (g)
VAB-074	Ø4	12.4	20	14.5	5	11.5	50	4.3	12	13.4	18
VAB-076	Ø6			16							
VAB-124	Ø4			14.5							
VAB-126	Ø6			16							
VAB-158	Ø8	17.8	28	18.5	7	16	70	5.2	18	18.8	25
VAB-1510	Ø10			20							

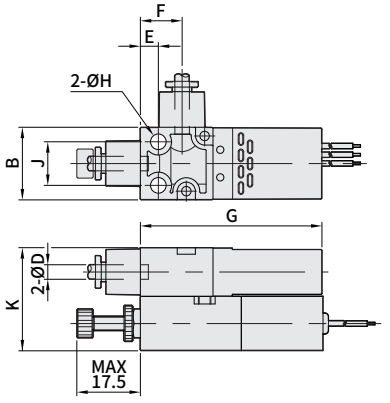
VAS Vacuum ejector



Unit: mm

Model \ Item	Port size ØD	B	C	E	F	G	H	J	K	Weight(g)
VAS-04	Ø4	20	14.5	5	11.5	50	4.3	12	13.4	29
VAS-06	Ø6		16							
VAS-08	Ø8	28	18.5	7	16	70	5.2	18	18.8	35
VAS-10	Ø10		20							

VABS Vacuum ejector with pressure switch



Unit: mm

Model \ Item	Port size ØD	B	E	F	G	H	J	K	Weight(g)
VABS-074	Ø4	20	5	11.5	50	4.3	12	26.8	47
VABS-076	Ø6								
VABS-124	Ø4								
VABS-126	Ø6								
VABS-158	Ø8	28	7	16	70	5.2	18	37.6	60
VABS-1510	Ø10								