

Vacuum ejector with flexible options

CVA2 CONVUM



- Pressure switch, blow-off valve can be mounted afterwards
- Solenoid valve for vacuum generation mounted
- Blow-off valve

It automatically blows after vacuum generation stops

How to order

CVA2 - 05 H S AB DN 4 B L N

① Nozzle size	
05	φ0.5
10	φ1.0
15	φ1.5

② Max. vacuum pressure (kPa)	
H	-87kPa
L	-53kPa
Q	-46kPa

③ Nominal pressure (MPa)	
S	0.5
R	0.35

④ Pressure sensor					
	Sensor type	Pressure	Display	Switch output	Analog output
AB	MVS-030AB	Vacuum	LED	NPN1 point	Without
ABP	MVS-030AB	Vacuum	LED	PNP1 point	Without
35G	MVS-035G	Vacuum	LED	NPN1 point	DC1 ~ 5V
VG	MPS-V23	Vacuum	Digital	NPN2 point	DC1 ~ 5V
VGP	MPS-V23	Vacuum	Digital	PNP2 point	DC1 ~ 5V
V	CVA-V	Vacuum	Without	Reed switch (1 point)	Without
Blank	-	Without	-	-	-

⑤ Port thread	
N	NPT
G	G (BSPP)
Blank	RC (BSPT)

⑥ Solenoid valve connection	
L	Connector type (connector-type lamp and surge killer)

⑦ Solenoid valve air passage	
A	Normally open(N.O)
B	Normally closed(N.C)
W	Self-holding solenoid valve

⑧ Solenoid valve voltage	
4	DC24V

⑨ Break valve	
DN	Break flow adjustable
DNS	With break confirmation switch
Blank	Without break valve

Note: ①②③ applicable models			
	①	②	③
			S R
05	H	○	x
	L	○	x
	Q	x	○
10	H	○	○
	L	○	x
	Q	○	○
15	H	○	○
	L	○	x
	Q	○	○

Maintenance parts

- Solenoid valve (with gasket and mounting screws)

CKV010-4E

- Self-holding solenoid valve (with gasket and mounting screws)

LV290-4E

Note) Please check P82 for details.

- Pressure switch (with O ring, setting screws)

MVS-030AB-CVA
MVS-030ABP-CVA
MVS-035G-CVA
MPS-V23C-NGA-CVA2
MPS-V23C-PGA-CVA2
CVA-V

Note) Please check P349 for details.

- Silencer

MSS-01	CVA2-05, CVA2-10H/L
MSS-03	CVA2-10Q
MSM-01	CVA2-15H/L
MSM-02	CVA2-15Q

Note) Please check P412 for details

- Switch unit for CVA-V : CV-CK

- Break valve

CVA-DN	Blow-off valve with flow control
CVA-DNS	Switch for blow-off checking

Specifications

Description	Unit	CVA2-05		CVA2-10					CVA2-15					
		HS	LS	HS	LS	QS	HR	QR	HS	LS	QS	HR	QR	
Fluid		Non-lubricated air / non-corrosive gas												
Ambient temperature	℃	0 ~ 60(without freezing)												
Operating pressure range	MPa	0.2 ~ 0.6												
Nozzle size	φ mm	0.5		1.0					1.5					
Nominal pressure	MPa	0.5		0.5		0.35			0.5			0.35		
Vacuum (air) flow	ℓ/min(ANR)	6	9	27	36	54	25	50	63	95	136	54	123	
Max. vacuum pressure	kPa	-87	-57	-92	-57	-47	-91	-47	-92	-57	-47	-91	-47	
Air consumption	ℓ/min(ANR)	13		44					100					
Mass (without valve/sensor)	g			280					300					