

KCVZ series



Features

- Maximum vacuum flow is 877L/min (at 4 nozzles, supply pressure 0.55MPa)
- Best choice for suction the works with porous surface and heavy works
- Can select 1 ~ 4 nozzles to meet customer' s needs
- With the Port (Rp1/8) for mount the pressure sensor
- Low noise(60dB) (at 1 nozzle, block the vacuum port, supply pressure 0.55MPa)

How to order

KCVZ - 1 - S S R

① ② ③ ④

① Nozzle number

1	Ø1.5 x 1
2	Ø1.5 x 2
3	Ø1.5 x 3
4	Ø1.5 x 4

② Pressure sensor

Z	Without sensor
S	MPS-V60DL-R1 (Attachment)

③ Silencer

Z	None
S	With silencer

④ Port thread

R	Rc(PT)
N	NPS
G	G

Maintenance parts

Silencer unit
(Including mounting screws)
CVZ-SU



Silencer element
CVZ-SE



Pressure sensor
MPS-V60DL-R1



Specifications

Model	KCVZ-1	KCVZ-2	KCVZ-3	KCVZ-4
Fluid	Non-lubricated air			
Ambient temperature	0~50℃ (without freezing)			
Operating pressure range	0.15~0.6MPa			
Mass(with silencer)	730g	737g	901g	908g
Mass of silencer	102g			
Recommended solenoid valve effective area	More than 7mm ²	More than 12mm ²	More than 18mm ²	More than 25mm ²

Vacuum performance

Model	KCVZ-1		KCVZ-2		KCVZ-3		KCVZ-4		
Supply pressure(MPa)	0.45	0.55	0.45	0.55	0.45	0.55	0.45	0.55	
Max. vacuum pressure(kPa)	70	90	70	90	70	90	68	88	
Vacuum flow (L/min(ANR))	323	356	557	604	699	768	792	877	
Air consumption (L/min(ANR))	104	126	201	239	302	359	400	465	
Exhaust volume (dB[A])	Block the vacuum port	69	60	73	67	71	67	70	65
	Open the vacuum port	82	84	83	85	86	87	85	87

Features of pressure sensor



- Battery type, unnecessary wiring
- Only for measuring the pressure
- Check the vacuum volume
- With the back light

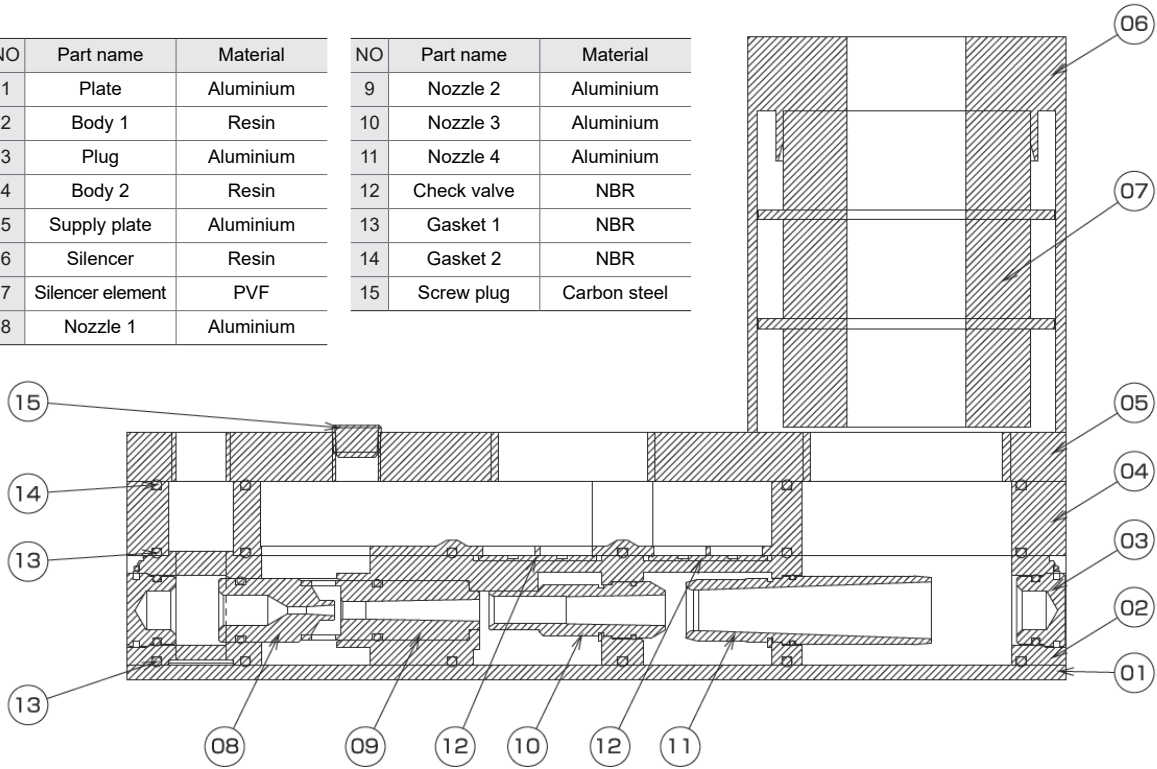
Pressure sensor specifications

MPS-V60DL-R1			
Fluid	Air (non corrosive, nonflammable gas)	Setting pressure resolution	1kPa
Pressure range	0 ~ -101kPa	Battery	CR2032 Button type lithium battery
Setting pressure range	10 ~ -101kPa	Indicator accuracy	±1%F.S.±1digit
Display	Time	60 seconds after pressing SET button	LCD display
	Back light	Have	3 1/2 digits LCD(with back light)
	Battery life	About 1year(Operate 5 times one day)	Representational accuracy
	Low battery indicator	Have	±2%F.S.±1digit(Temperature: :25±3℃)
		Port size	R1/8,M5(female)
		Mass	Approx 40g

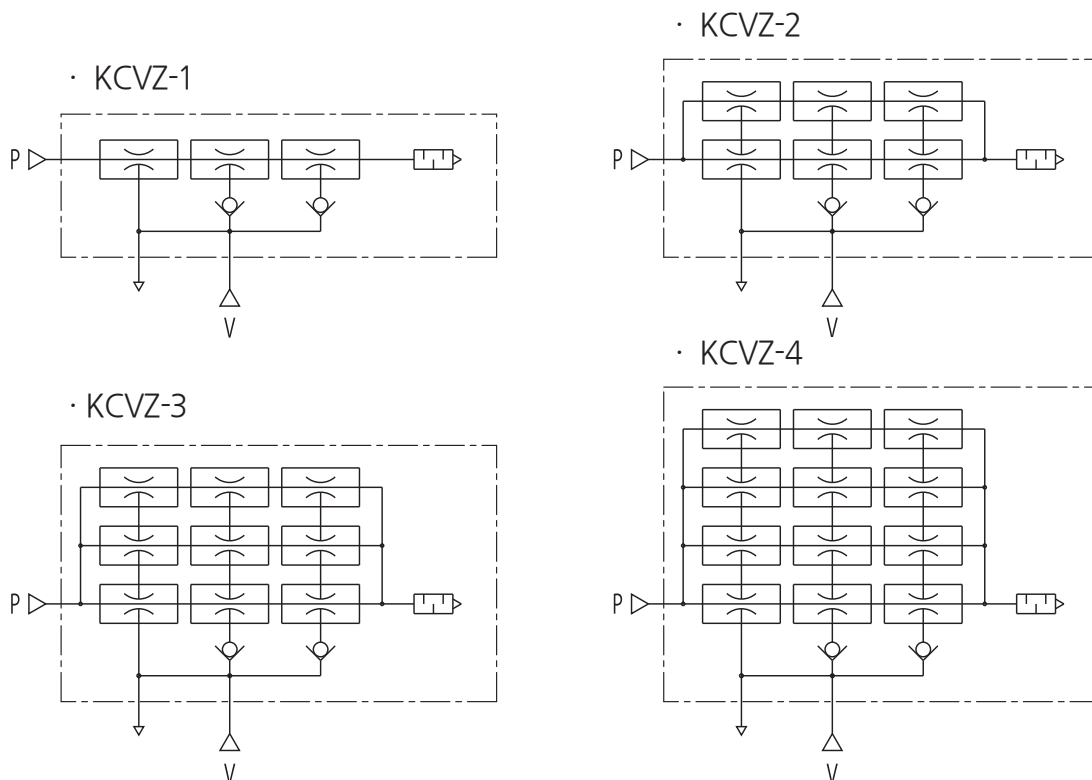
Construction

NO	Part name	Material
1	Plate	Aluminium
2	Body 1	Resin
3	Plug	Aluminium
4	Body 2	Resin
5	Supply plate	Aluminium
6	Silencer	Resin
7	Silencer element	PVF
8	Nozzle 1	Aluminium

NO	Part name	Material
9	Nozzle 2	Aluminium
10	Nozzle 3	Aluminium
11	Nozzle 4	Aluminium
12	Check valve	NBR
13	Gasket 1	NBR
14	Gasket 2	NBR
15	Screw plug	Carbon steel

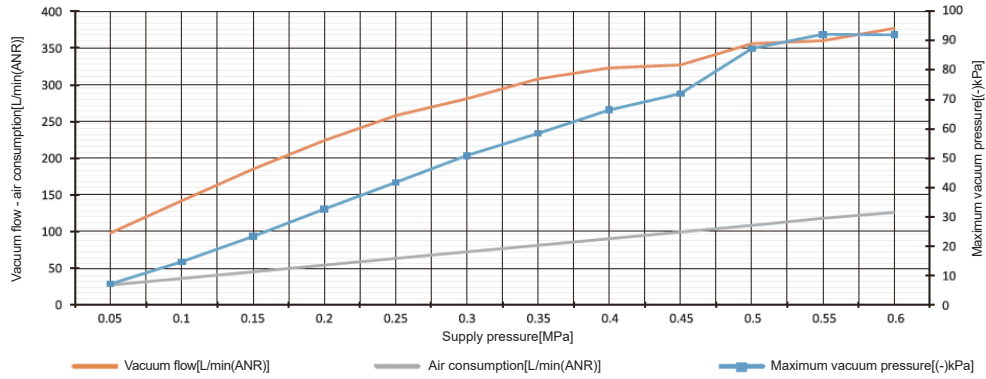


(Indication sign)

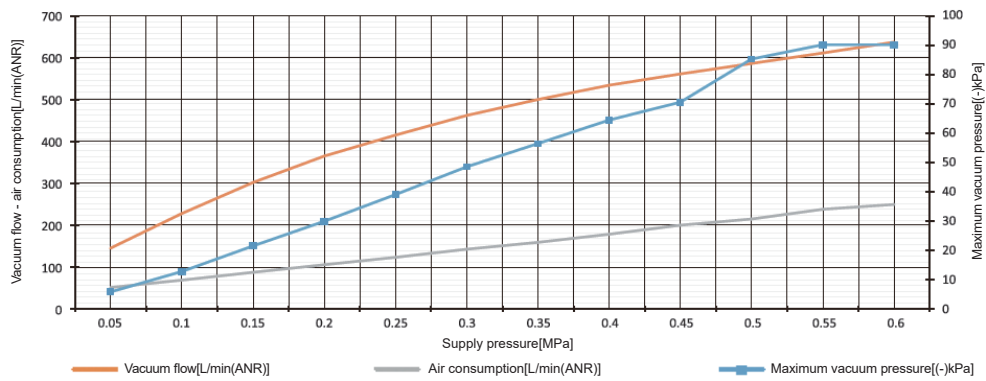


Performance charts: Maximum vacuum pressure-Vacuum flow-Air consumption

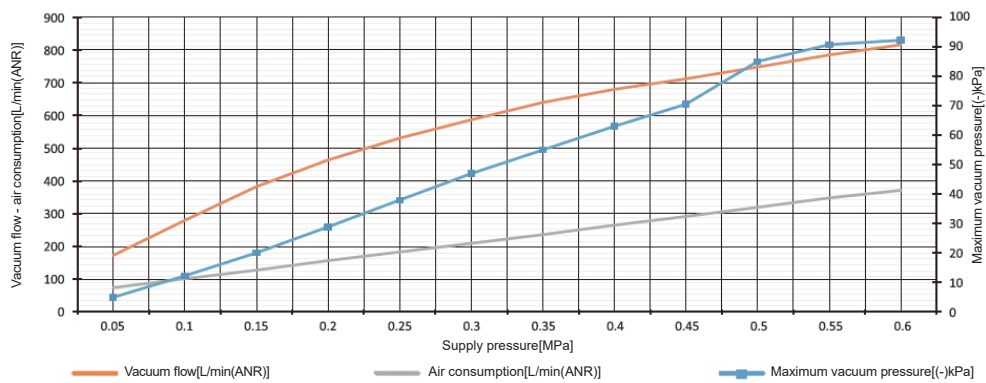
KCVZ-1



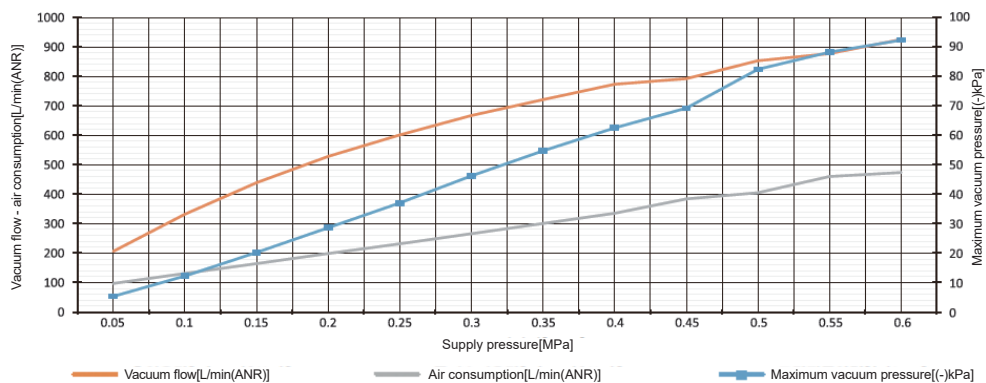
KCVZ-2



KCVZ-3

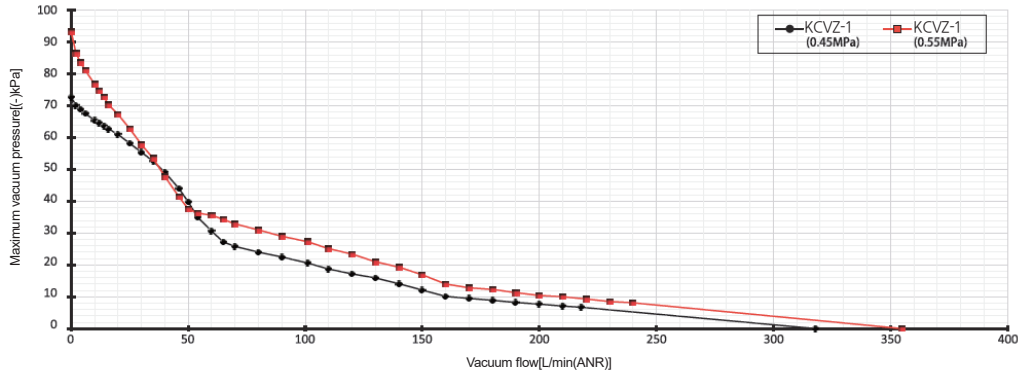


KCVZ-4

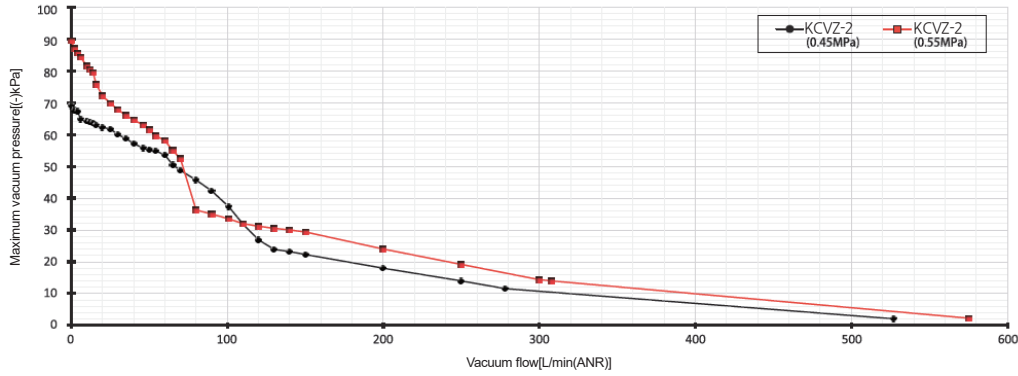


Performance charts: Vacuum flow-Maximum vacuum pressure

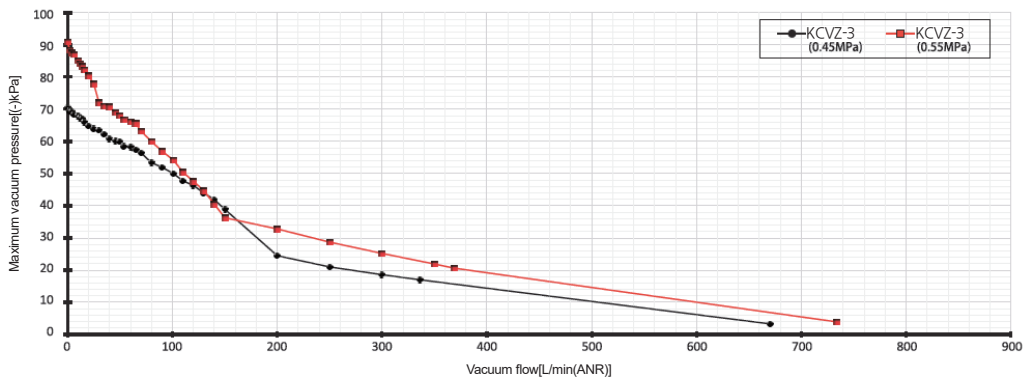
KCVZ-1



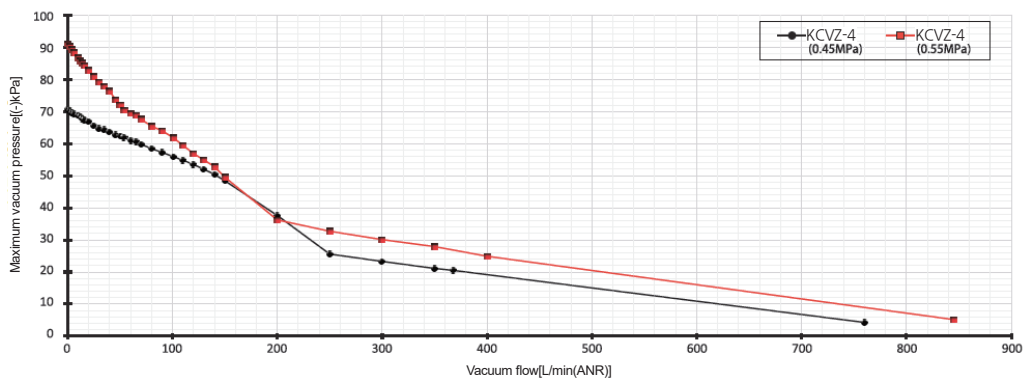
KCVZ-2



KCVZ-3

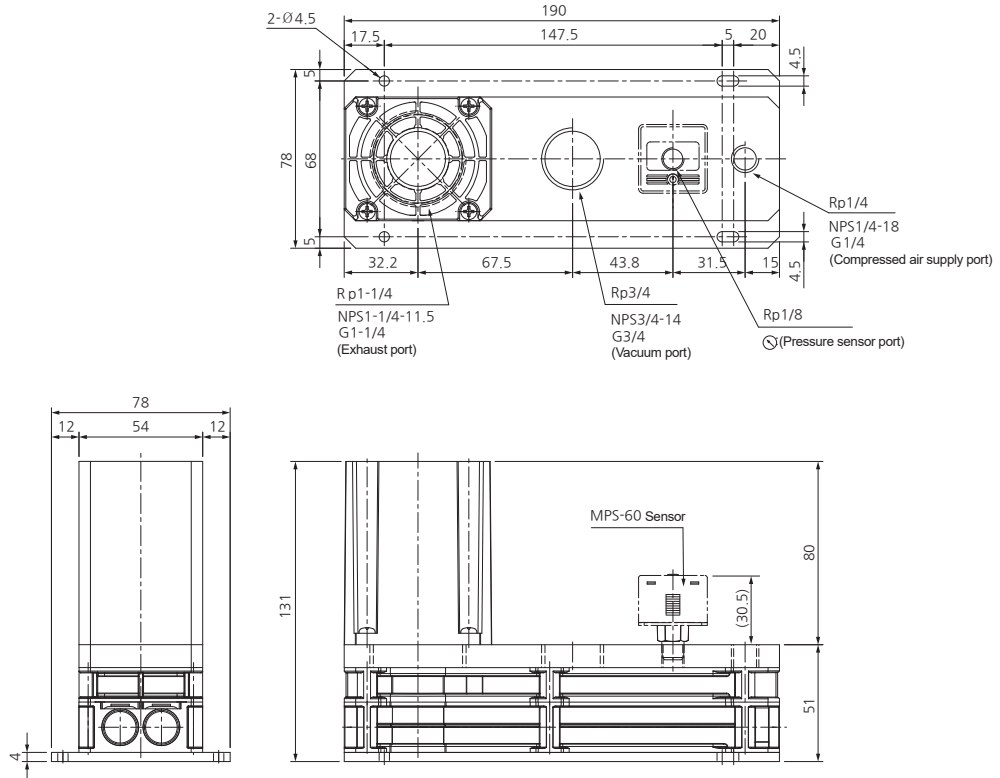


KCVZ-4



Dimensions

KCVZ-1, 2



KCVZ-3, 4

