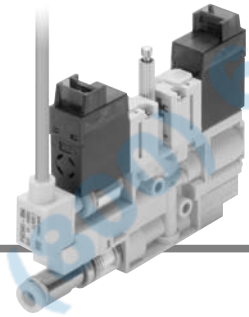


# Compact Vacuum Ejector

## Series ZA



### How to Order

### Ejector Unit

**ZA1071-K1-5L-P1-01**

Nozzle nominal size

05	ø0.5
07	ø0.7

Solenoid valve combination (Refer to Table (1).)

Symbol	For supply	For release
K1	Normally closed	Normally closed
J1	Normally closed	None
Q1	Latching positive common	Normally closed
Q2	Latching positive common	None
N1	Latching negative common	Normally closed
N2	Latching negative common	None

Pilot valve (Refer to Table (1).)

Nil	Standard (1 W for DC) <sup>Note</sup>
Y	DC low wattage type (0.5 W) <sup>Note</sup>

Note) Avoid energizing the solenoid valve for long periods of time. (Refer to Design and Selection on Specific Product Precautions 1.)

Power supply voltage (Refer to Table (1).)

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (50/60 Hz)
4	220 VAC (50/60 Hz)
5	24 VDC
6	12 VDC

Electrical entry

L	L plug connector, with 0.3 m lead wire, with light/surge voltage suppressor	
LO	L plug connector, without connector, with light/surge voltage suppressor	
M	M plug connector, with 0.3 m lead wire, with light/surge voltage suppressor	
MO	M plug connector, without connector, with light/surge voltage suppressor	
G	Grommet, with 0.3 m lead wire (Not available for latching and AC types.)	

Vacuum (V) port

Symbol	Applicable tubing O.D.	Part no.
1	ø3.2 (Straight)	KJS23-M5
2	ø4 (Straight)	KJS04-M5
4	ø3.2 (Elbow)	KJL23-M5
5	ø4 (Elbow)	KJL04-M5

Air pressure supply (P) port

Symbol	Applicable tubing O.D.	Part no.
0	Without fitting (M3 x 0.5)	—
2	ø4 (Straight)	KJS04-M3
5	ø4 (Elbow)	KJL04-M3
M	Without supply <sup>Note</sup> adapter (For manifold)	Refer to "Construction". (page 853)

Note) O-ring and round head combination screws (M2 x 12) are attached to the supply adapter (M).

Pressure sensor specifications

Symbol	Rated pressure range and accuracy	Part no.
P1	With pressure sensor (0 to -101 kPa, accuracy ±2% F.S.)	PSE541
P1A	With pressure sensor (0 to -101 kPa, accuracy ±1% F.S.)	PSE541A
P3	With pressure sensor (-100 to 100 kPa, accuracy ±2% F.S.)	PSE543
P3A	With pressure sensor (-100 to 100 kPa, accuracy ±1% F.S.)	PSE543A
B	Without pressure sensor <sup>Note 1)</sup>	KQ2P-04

Note 1) One-touch fittings are plugged when the pressure sensor is mounted.

Note 2) This pressure switch detects pressure and converts the data into analog output.

When the product is used as a vacuum switch, a pressure sensor controller Series PSE300 (CAT.ES100-56) is necessary.

Suction filter

Nil	Without suction filter
F	With suction filter

Manual override

Nil	Non-locking push type
B	Locking type

Table (1) Combination of Solenoid Valve, Pilot Valve and Power Supply Voltage

Combination no.	Solenoid valve combination symbol	Pilot valve symbol	Applicable power supply voltage (V)					
			1 100 AC	2 200 AC	3 110 AC	4 220 AC	5 24 DC	6 12 DC
①	K1	Nil	—	—	—	—	●	●
②	K1	Y	—	—	—	—	●	●
③	J1	Nil	●	●	●	●	●	●
④	J1	Y	—	—	—	—	●	●
⑤	Q1	Nil	—	—	—	—	●	●
⑥	Q2	Nil	●	●	●	●	●	●
⑦	N1	Nil	—	—	—	—	●	●
⑧	N2	Nil	—	—	—	—	●	●

\* Combinations (1) to (8) in the above table are the only possible options.

### Warning

The filter case of this suction filter is made of nylon. The product will be damaged if solvents such as alcohol or chemicals are splashed on it. Avoid using it in an atmosphere where such solvents are present.

This suction filter is exclusive to Series ZA. Do not use for other purposes.