

Ejector System Vacuum Unit



ZK2□A Series

Single Unit Ejector + With Valve + Without Energy Saving Function

Refer to pages 24, 25, 27, and 28 for the port layouts (including circuit examples) and pages 35 to 37 for the dimensions.

How to Order

ZK2 **A** **12** **K** **5** **A** **L** **A** - **08** - □

1 2 3 4 5 6 7 8

1 Body/Exhaust type

Symbol	Body	Exhaust type
A	Single unit	Silencer exhaust*1
		Port exhaust
B	Single unit	High-noise reduction silencer exhaust
G	Single unit	High-noise reduction silencer exhaust

*1 With exhaust port when 2 is 12 or 15

4 Rated voltage (Supply valve/Release valve)

Symbol	Voltage
5	24 VDC
6	12 VDC

5 Pressure switch for vacuum/Pressure sensor

Symbol	Type	Pressure range [kPa]	Specifications		
			NPN	PNP	With unit selection function*3
A	Pressure switch for vacuum	0 to -101	●	—	●
B			●	—	None (SI unit only)
C			—	●	●
D		-100 to 100	—	●	None (SI unit only)
E			●	—	●
F			●	—	None (SI unit only)
H	—	●	●		
J	—	●	●	None (SI unit only)	
P	Pressure sensor	0 to -101	Analog output 1 to 5 V		
T		-100 to 100			
N	Without pressure switch for vacuum/pressure sensor				

*3 The unit selection function is not available in Japan due to the New Measurement Law. The unit for the type without the unit selection function is fixed as kPa.

7 Vacuum (V) port

Symbol	Vacuum (V) port
06	ø6
08	ø8
07	ø1/4"
09	ø5/16"

2 Nominal nozzle size

Symbol	Nominal nozzle size
07	ø0.7
10	ø1.0
12	ø1.2
15	ø1.5

* Refer to page 18 for the standard supply pressure per nozzle diameter.

3 Combination of supply valve and release valve

Symbol	Supply valve		Release valve
	N.C.	Self-holding	N.C.
K	●	—	●
J	●	—	—
R	—	●*2	●

*2 Supply valve maintains vacuum by energization (20 ms or more). Stopping the vacuum turns on the release valve.

6 Connector (Supply valve/Release valve/Pressure switch for vacuum)

Symbol	For supply valve/ release valve: 300 mm (Connector assembly)*4	For pressure switch for vacuum: 2 m (Lead wire with connector)	Pressure sensor assembly: 3 m (With lead wire)	Note
L	●	—	●	Cannot be selected when 5 is N
L1	None	—	●	
L2	●	—	None	Cannot be selected when 5 is P or T
L3	None	—	None	

*4 For the connector length other than 300 mm, order the connector assembly on page 32 separately.

8 Option*5 (For details on the Function/Application, refer to page 42.)

Symbol	Type	Note
Nil	Without option	—
B	Mounting bracket for single unit (nuts and bolts are included) 	—
D	With individual release pressure supply (PD) port (M3)*6 	Cannot be selected when 3 is J
E	Vacuum break flow adjusting needle Screwdriver operation type long lock nut 	Cannot be selected when 3 is J
J	Round lock nut Lock nut 	
K	Vacuum break flow adjusting needle Screwdriver operation type 	Can be selected only for the combination of J and K
W	With exhaust interference prevention valve 	When J is selected for 8, install the release valve or vacuum breaker in the middle of the vacuum piping.

*5 When more than one option is selected, list the option symbols in alphabetical order. (Example -BJ)

*6 Use a One-touch fitting or barb fitting (M-3AU-4) for piping. (O.D.: Within ø6.2)