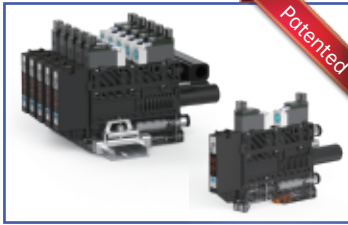


Integrated Vacuum Generator SZK SZKP Series

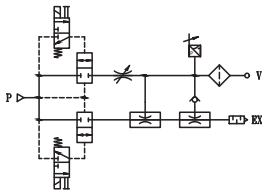
Vacuum Generator SZK series



SZK 10 - 6 6 G - - SP - D L 08

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- Two-stage vacuum increases suction flow by 200%
- Automatic air exhaust control
- Power off hold, pressure vacuum
- Ultra-low energy consumption (air consumption 19L, solenoid valve power 1W)
- Switching quantity, analog quantity output
- Integrated installation, easy installation
- Compact, lightweight (15mm thick)



① Nominal nozzle size

code	size (mm)	Vacuum degree (kPa)	Suction flow (L/min)	Consumption flow (L/min)	Service pressure (MPa)
07	0.7	-91	29	24	0.36
10	1.0	-91	44	40	0.37
12	1.2	-91	61	58	0.38
15	1.5	-91	67	90	0.4~0.45

② Vacuum (V) port

code	4	6	8
size	4mm	6mm	8mm

③ Air supply (P) port

code	6
Single joint size	6mm
Manifold joint size	G1/8Threaded joint

④ Exhaust mode (EX)

code	S	G	W	F	J
specification	Low noise suppression	High noise suppression	External high noise reduction	Anti-fouling high discharge (prevent dust, large flow straight discharge)	Nozzle exhaust (G1/8) (Standard unthreaded joint)
Operating pressure	0.35MPa	0.4MPa	0.4MPa	0.35MPa	0.35MPa

⑤ Vacuum holding

code	blank	R	E ^[*1]	Z ^[*2]
specification	Common type (without holding pressure)	Pressure retaining (with holding pressure)	Energy-saving (with holding pressure)	Air breaker solenoid valve automatic power supply type (without holding pressure)

^[*1] The "E Energy saving type" is controlled by the pressure gauge and must be equipped with a vacuum pressure switch. The output size is only 1, and the outlet mode is 1 wire type.

^[*2] A single signal line can control the vacuum valve and the air break valve. The air breaker solenoid valve will automatically work for 0.25 (or other customized time) after the end of the vacuum signal, and the wiring mode is 1-wire.

⑥ Vacuum solenoid valve specifications^[*1]

code	specification
blank	Vacuum valve energized (NC.)
O	Vacuum valve power off (NO.)
K	NO. Vacuum valve working function ^[*4]

^[*1] The vacuum valve and air breaker specifications are normally closed NC by default.
^[*2] Pressure retaining cannot select "E", "E Energy-saving" cannot select "O, K".
^[*4] Vacuum valve is normally open solenoid valve, controlled by pressure gauge. Vacuum valve control logic unchanged, control signal to power work, do not power do not work. It must be equipped with a pressure switch and the outlet mode is 1-wire.

⑦ Vacuum pressure switch output

code	Output specification
N	Vacuum free switch
SP	2* NPN
SA	2* PNP
SB	1*NPN+1* (1~5V)
SD	1*PNP+1* (1~5V)
SPC	1*NPN+1*RS485

⑧ Installation mode

code	D	B
Installation mode	Din Rail mounting	Bracket mounting

⑨ Power cable specification^[*1]

code	blank	L	L2
specification	one-wire	3-wire	2-wire

^[*1] The 1-wire is the unified outlet of the solenoid valve and the vacuum switch, which is suitable for energy-saving type.
 The 3-wire is a separate wire for the solenoid valve and the vacuum switch, which is suitable for the ordinary type and the pressure holding type.
 The 2-wire type applies only to RS485 output specifications.

⑩ Combination quantity

code	02	03	04	05	06	07	08	09	10
Number	2	3	4	5	6	7	8	9	10

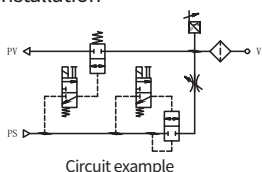
Vacuum Pump unit SZKP series



SZKP - 6 6 6 - - SP - D L 08

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- Vacuum pump unit
- Automatic air exhaust control
- Vacuum stability, fast response speed, vacuum response speed increased by 50%
- Power off vacuum holding function
- Switching quantity, analog quantity output
- Compact, lightweight (15mm thick)
- Integrated installation, easy installation



① Vacuum (V) port

code	4	6	8
size	4mm	6mm	8mm

② Positive pressure supply (PS) port

code	4	6
Single joint size	4mm	6mm
Manifold joint size	G1/8Threaded joint	

③ Vacuum with negative pressure (PV) port

code	6
Single joint size	6mm
Manifold joint size	G1/8Threaded joint

④ Vacuum solenoid valve specifications

code	specification
blank	Vacuum valve energized (NC.)
O	Vacuum valve power off (NO.)
K	NO. Vacuum valve working function ^[*1]
Z	The air breaker solenoid valve automatically supplies power ^[*2]

^[*1] Vacuum valve is normally open solenoid valve, controlled by pressure gauge. Vacuum valve control logic unchanged, control signal to power work, do not power do not work. It must be equipped with a pressure switch and the outlet mode is 1-wire.
^[*2] A single signal line can control the vacuum valve and the air break valve. The air breaker solenoid valve will automatically work for 0.25 (or other customized time) after the end of the vacuum signal (or other customized time). The connection mode is 1-wire.

⑤ Vacuum pressure switch output

code	Output specification
N	Vacuum free switch
SP	2* NPN
SA	2* PNP
SB	1*NPN+1* (1~5V)
SD	1*PNP+1* (1~5V)
SPC	1*NPN+1*RS485

⑥ Installation mode

code	D	B
Installation mode	Din Rail mounting	Bracket mounting

⑦ Power cable specification^[*1]

code	blank	L	L2
specification	one-wire	3-wire	2-wire

^[*1] The 1-wire is the unified outlet of the solenoid valve and the vacuum switch, which is suitable for energy-saving type.
 The 3-wire is a separate wire for the solenoid valve and the vacuum switch, which is suitable for the ordinary type and the pressure holding type.
 The 2-wire type applies only to RS485 output specifications.

⑧ Combination quantity

code	02	03	04	05	06	07	08	09	10
Number	2	3	4	5	6	7	8	9	10