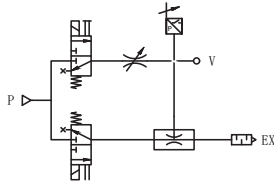


Miniature Integrated Vacuum Generator SVN SVN Series

Vacuum Generator SVN series



- Micro-valve direct drive, high-speed response
- Automatic air exhaust control
- Integrated integrated vacuum generating valve
- Ultra-low energy consumption (air consumption 6L, solenoid valve power 1W)
- Switching quantity, analog quantity output
- Integrated installation, easy installation
- Miniaturized, lightweight (10mm thick)



Circuit example

SVN E 06 - 4 6 S - - SP - 08

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Vacuum characteristic

code	characteristic
E	High vacuum and low flow

② Nominal nozzle size

code	size (mm)	Vacuum degree (kPa)	Suction flow (L/min)	Consumption flow (L/min)	Service pressure (MPa)
04	0.4	-90.4	2	6	0.5
05	0.5	-90.4	3	8	0.5
06	0.6	-90.4	5	12	0.55

③ Vacuum (V) port

code	size
4	4mm
6	6mm

④ Air supply (P) port

code	size	form
4	4mm	monolithic
6	6mm	monolithic integrated
8	8mm	integrated

⑤ Exhaust mode (EX)

code	specification
S	Silencer exhaust
4	Port exhaust 4mm
6	Port exhaust 6mm

⑥ Air break control function

code	Control function
blank	Conventional type
Z	Air breaker solenoid valve automatic power supply type ^[*1]

^[*1] A single signal line can control the vacuum valve and the air break valve. The air breaker solenoid valve will automatically work for 0.2S (or other customized time) after the end of the vacuum signal, and the wiring 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)

^[*2] The vacuum switch is equipped with TTL communication interface, no communication line is standard at the factory, and the communication line can be selected.

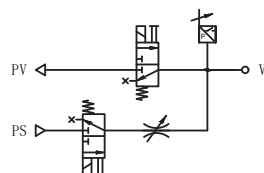
⑧ Combination quantity

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

Vacuum Pump unit SVN Series



- Vacuum pump unit
- Automatic air exhaust control
- Micro-valve direct drive, high-speed response
- Fully autonomous design
- Ultra-low energy consumption (air consumption 6L, solenoid valve power 1W)
- Switching quantity, analog quantity output
- Integrated installation, easy installation
- Miniaturized, lightweight (10mm thick)



Circuit example

SVNP - 6 6 6 - - SP - 08

① ② ③ ④ ⑤ ⑥

① Vacuum (V) port

code	size
4	4mm
6	6mm

③ Vacuum with negative pressure (PV) port

code	size	form
4	4mm	monolithic
6	6mm	monolithic integrated
8	8mm	integrated

④ Air break control function

code	Control function
blank	Conventional type
Z	Air breaker solenoid valve automatic power supply type ^[*1]

^[*1] A single signal line can control the vacuum valve and the air break valve. The air breaker solenoid valve will automatically work for 0.2S (or other customized time) after the end of the vacuum signal, and the wiring mode is 1-wire.

② Positive pressure supply (PS) port

code	size	form
4	4mm	monolithic
6	6mm	monolithic integrated
8	8mm	integrated

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)

^[*2] The vacuum switch is equipped with TTL communication interface, no communication line is standard at the factory, and the communication line can be selected.

⑥ Combination quantity

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