

For compressed air Thin pilot operated 2-port solenoid valve

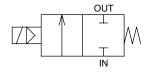
SP Series

- •NC (open when energized)
- Diaphragm drive
- Port size: Actuator (SP-10/SP-13)
 Push-in fitting (SP-10)



JIS symbol

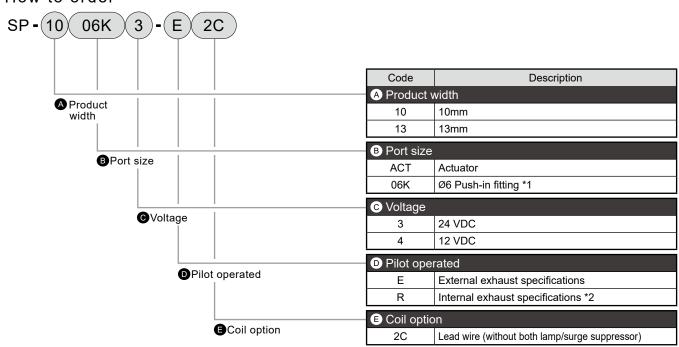
•NC (open when energized)



Specifications

Item		SP-10	SP-13
Working fluid		Compressed air	
Working pressure differential	MPa	0.02 to 0.2	
Max. working pressure	MPa	0.2	
Proof pressure	MPa	0.3	
Fluid temperature	°C	0 to 70 (no freezing)	
Ambient temperature	°C	0 to 60	
Atmosphere		Place free of corrosive gas/explosive gas and not exposed to water	
Valve structure		Pilot operated diaphragm drive	
Internal leakage	cm³/min	2 or less	
External leakage	cm³/min	·2 or less	
Mounting orientation		Unrestricted	
C[dm³/(S·bar)]		1.0	1.4
Electrical specifications	S		
Rated voltage		24 VDC, 12 VDC	
Voltage fluctuation range		±10%	
Power consumption	W	0.6	
Rating		Intermittent (50%duty)	
Thermal class		Class 130 (B)	

How to order



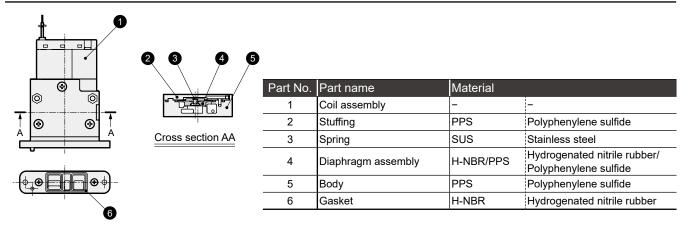
^{*1} Available only for SP-10

The internal exhaust specifications is such that the pilot chamber does not exhaust to the atmosphere, but to the OUT side circuit.

^{*2} Available only for SP-13

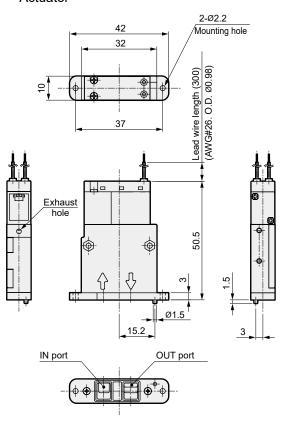
Internal structure and parts list/Dimensions

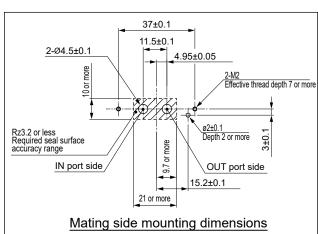
Internal structure and parts list



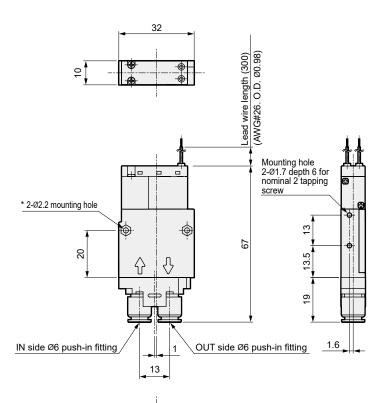
Dimensions

•SP-10 Actuator





ø6 Push-in fitting

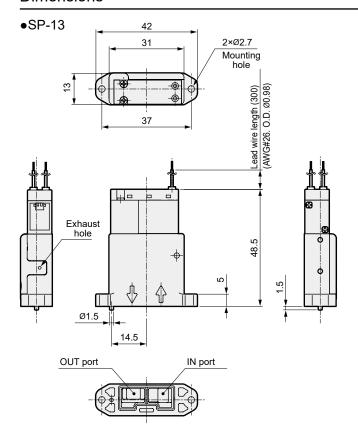


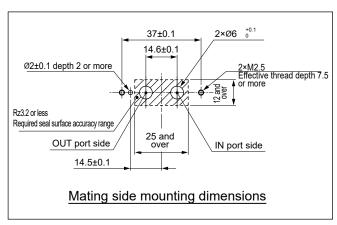


* For M2 screw Can also be fixed with M2 nut

SP Series

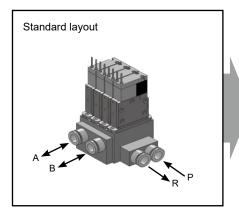
Dimensions

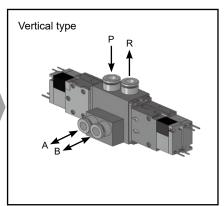


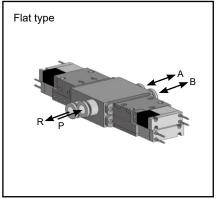


Manifold layout example (switching valve for oxygen concentrator)

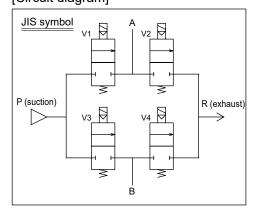
Supports a variety of manifold variations according to your equipment space!







[Circuit diagram]



Effective layout utilizing side gaps or top or bottom surface gaps within the unit is possible.



Install in places where it was too tight before!

• Manifolds available as custom made. Contact CKD for details.