

For compressed air Thin pilot operated 2-port solenoid valve

SP Series

- •NC (open when energized)
- Diaphragm drive

Specifications

- •Port size: Actuator (SP-10/SP-13)
 - Push-in fitting (SP-10)



JIS symbol





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			
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



*2 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.

Internal structure and parts list

9.7 or

Mating side mounting dimensions

21 or more

OUT port side

15.2±0.1

IN port side



Dimensions

- •SP-10
- Actuator



Dimensions



Manifold layout example (switching valve for oxygen concentrator)

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



Vertical type



[Circuit diagram]

CKD



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.