Specifications

Auxiliary Equipment for Pneumatic Control Valve ASCO Three-way Solenoid Valve

OVERVIEW

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The application of solenoid valves for switching the output of control valves forms a control loop with the pneumatic valve. Mounted between the valve actuator and positioner, the solenoid valve changes the output from supply to venting, and vice versa. Various specifications are available.

SPECIFICATIONS

Operation

Universal

Pneumatic connection Rc1/4, 1/4NPT

Power supply 100V AC, 200V AC 50/60 Hz, etc. 12V DC, 24V DC, etc.

Main materials

Body Brass

Main sheet Buner N

Coil Type F mold coil

Ambient temperature range -20 to 50°C

Case

General (indoor use) Water-proof (outdoor use) TIIS Flameproof Approval (outdoor use) Conduit connection G1/2, 1/2NPT

For other specifications, please contact us. Example: Material, coil insulation grade, manual operation, connection, etc.



Basic Model Number Table

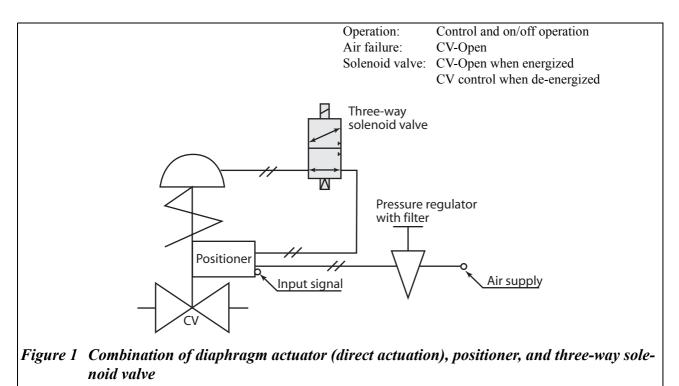
Table 1 Low-pressure applications

Use	Supply air pressure Ps ^{*i}	Model No. [Connection screw:Rc1/4]	Model No. [Connection screw: NPT1/4]
General (indoor use)	$Ps \le 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	J320A107	8320A107
	$Ps > 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	J320G174	8320G174
Water-proof (outdoor use)	$Ps \le 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	J320A108	8320A108
	$Ps > 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	J320G174	8320G174
Flameproof (TIIS d2G4)	$Ps \le 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	JE3J320A107	JE38320A107
	$Ps > 270 \text{ kPa } \{2.8 \text{ kgf/cm}^2\}$	JE3J320G174	JE38320G174

Note **i*. *Ps value are for "Supply air pressure" in the allowable pressure difference table in control valve speci-fication sheets.*

Applicable actuator

- Diaphragm actuator: Model PSA1 to 4, HA2 to 4, VA5, PSK, VM12, RSA1, 2, VR3
 - (excluding VR3/supply air pressure 490 kPa)
- G-O-motor actuator: Model GOM



Use	Supply air pressure Ps ^{*i}	Model No. [Connection screw:Rc1/4]	Model No. [Connection screw: NPT1/4]
General (indoor use)	$Ps \le 860 \text{ kPa } \{8.7 \text{ kgf/cm}^2\}$	J320A101	8320A101
Water-proof (outdoor use)	$Ps \le 860 \text{ kPa } \{8.7 \text{ kgf/cm}^2\}$	J320A102	8320A102
Flameproof (TIIS d2G4)	$Ps \le 860 \text{ kPa } \{8.7 \text{ kgf/cm}^2\}$	JE3J320A101	JE38320A101

Table 2 High-pressure applications

Note **i*. *Ps value are maximum supply air pressure value used by customers. (They do not indicate supply air pressure to an actuator.)*

Applicable actuator:

• Spring piston cylinder actuator: Model PSA6, 7

• Springless piston cylinder actuator: Model VP, SLOP

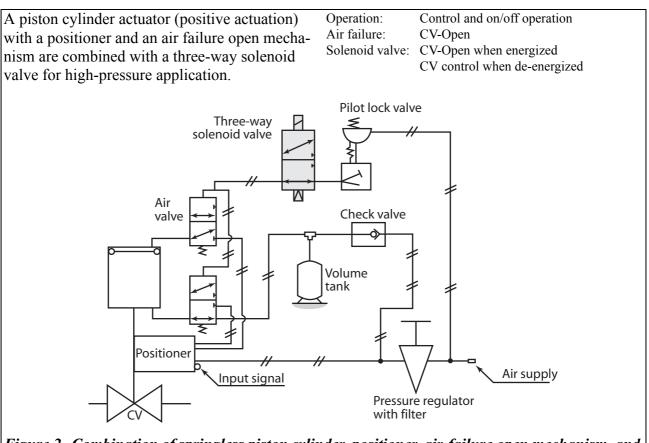


Figure 2 Combination of springless piston cylinder, positioner, air-failure open mechanism, and three-way solenoid valve

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