**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**

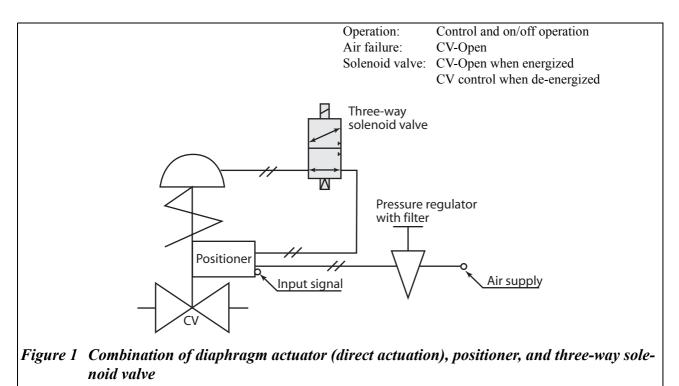
#### Table 1 Low-pressure applications

Use	Supply air pressure Ps <sup>*i</sup>	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 <sup>*i</sup>	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

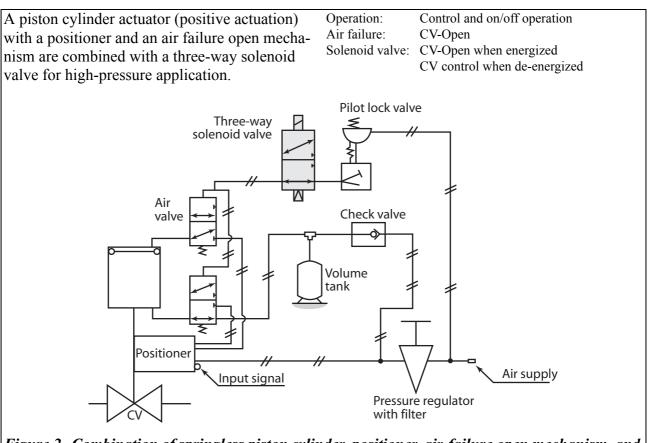


Figure 2 Combination of springless piston cylinder, positioner, air-failure open mechanism, and three-way solenoid valve

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