

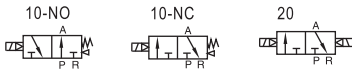
Solenoid valve(3/2 way)

3V300 Series

3V300



Symbol

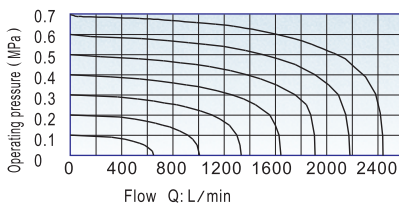


Product feature

1. Pilot-oriented mode: Internal pilot or external pilot.
2. Structure in sliding column mode: good tightness and sensitive reaction.
3. Double control solenoid valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Affiliated manual devices are equipped to facilitate installation and debugging.
7. Several standard voltage grades are optional.
8. Integrate with the manifold to save installation space.

Flow chart

Model: 3V310-10-NO



Specification

Model	3V310-08	3V320-08	3V310-10	3V320-10
Fluid	Air(to be filtered by 40 μ m filter element)			
Acting	Internal pilot or external pilot			
Port size ①	In=Out=1/4"		In=Out=3/8"	
Orifice size	25.0mm ² (Cv=1.39)		30.0mm ² (Cv=1.67)	
Valve type	3 port 2 position			
Lubrication ②	Not required			
Operating pressure	0.15~0.8MPa(21~114psi)			
Proof pressure	1.5MPa(215psi)			
Temperature °C	-20~70			
Material of body	Aluminum alloy			

① PT thread, G thread and NPT thread are available.

② Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.

Coil specification

Item	Specification
Standard voltage	AC220V, AC110V, AC24V, DC24V, DC12V
Scope of voltage	AC: ± 15% DC: ± 10%
Power consumption	AC:3.5VA DC:3.0W
Protection	IP65(DIN40050)
Temperature classification	B Class
Electrical entry	Terminal, Grommet
Activating time	0.05 sec and below
Max. frequency ①	5 cycle/sec

① The maximum actuation frequency is in the no-load state.

Ordering code

3V 3 10 10 NO A □ □ -W

- Model**: 3V: Solenoid valve(3/2 way)
- Code**: 3: 300 Series
- Valve type**: 10: Single solenoid, 20: Double solenoid
- Port size**: 08: 1/4", 10: 3/8"
- Acting type**:

Valve type	Acting type
10	NC: Normally closed
	NO: Normally opened
20	Not code
- Pilot type**:
 - Blank: Internal pilot (Without M5 thread hole)
 - W: External pilot (With M5 thread hole)
- Thread type**: Blank: PT, G: G, T: NPT
- Voltage**: A: AC220V, B: DC24V, C: AC110V, E: AC24V, F: DC12V
- Electrical entry**: Blank: Terminal, I: Grommet

Please refer to 38 for manifold specification and the order way.