Solenoid valve(3/2 way)

3V3 Series

Ordering code

3V 3 08 NC A □ T

1 2 3 4 5 6 7
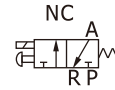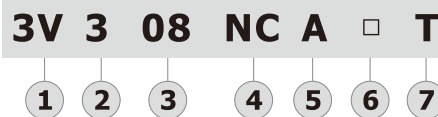
① Model

3V: Solenoid valve (3/2 way)

② Code

3: 3 Series

③ Port size

08: 1/4"

④ Acting type

NC: Normally closed
NO: Normally opened

⑤ Standard voltage

A: AC220V
B: DC24V
C: AC110V
E: AC24V
F: DC12V

⑥ Electrical entry

Blank: Terminal
I: Flying leads

⑦ Thread type

T: NPT

[Note]: The wire length is 5m.

Specification

Model	3V308	
Fluid	Air(to be filtered by 40μm filter element)	
Acting	Direct acting	
Port size [Note1]	1/4"	
Valve type	3 port 2 position	
Orifice size	$11mm^2$(Cv=0.62)	
Lubrication	Not required	
Operating pressure	Common	0~114psi(0~0.8MPa)
	vacuum	-1.45~14.2psi(-102.2kPa~0.1MPa)
Proof pressure	175psi(1.2MPa)	
Temperature	-20~70℃	
Material of body	Aluminum alloy	

[Note1] NPT thread is available.

Coil specification

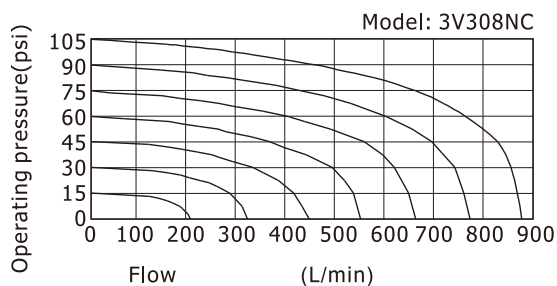| Item	specification
Standard voltage	AC220V、AC110V、AC24V、DC24V、DC12V
Scope of voltage	AC: ±15% DC: ±10%
Power consumption	AC: 10VA DC: 6.5W
Protection	IP65(DIN40050)
Temperature classification	B Class
Electrical entry	Terminal, Flying leads
Activating time	0.05 sec and below
Max. frequency [Note1]	10 cycle/sec

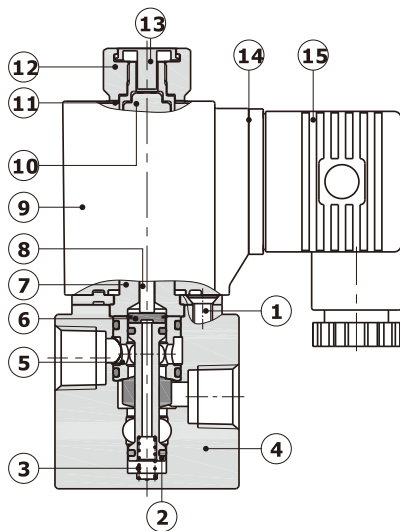[Note1] The maximum actuation frequency is in the no-load state.

3V3 Series

Product feature

1. Direct acting type and normally closed mode, flexible in direction change.
2. Normally closed and normally open types are optional.
3. Structure in coaxial blanking mode: leakage proof and large air flow.
4. No need to add oil for lubrication.
5. Affiliated manual devices are equipped to facilitate installation and debugging.
6. Several standard voltage grades are optional.
7. Can be used under vacuum condition.

Flow chart

Model: 3V308NC

Operating pressure(psi): 105, 90, 75, 60, 45, 30, 15, 0

Flow (L/min): 0 100 200 300 400 500 600 700 800 900

Inner structure

No.	Item	No.	Item
1	Pilot screw	9	Coil
2	Spool	10	Armature
3	Spring	11	Washer
4	Body	12	Coil nut
5	Washer	13	Manual button
6	Spacer	14	Gasket
7	Electromagnet set	15	Connector
8	Man drill		

3V3 Series
Dimensions

Terminal

[Unit: mm]

2-M5×0.8 dp:10
30
30
38

71.5
91
27
29
13
38
3-1/4"
19

Manual button
2-Φ4.2
Thru.hole

Flying leads

2-M5×0.8 dp: 10
30
30
38

42
91
27
29
13
38
3-1/4"
19

1 2

Manual button
2-Φ4.2
Thru.hole