3V2M Series



Symbol





Product feature

- 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. Valve needs to be used with the sub-base and allows various connection combinations to save space.
- 7. It is easy to examine when there are faults owning to the unified air intake and exhaust and unified wiring.
- 8. Flexible combination and strong expansion capability can make any combination or expansion of the numbers of direction control valves that are connected.
- 9. Can adjust the installation direction of special sub-base seal for NO or NC functions.

Specification

Model	3V2M		
Fluid	Air(to be filtered by 40µm filter element)		
Acting	Direct acting		
Port size [Note1]	1/8"		
Valve type	3 port 2 position		
Orifice size	1.7mm ² (Cv=0.1)		
Exhaust type	Centralized exhaust, Separated exhaust		
Operating pressure	0~0.8MPa(0~114psi)		
Proof pressure	1.2MPa(175psi)		
Temperature	-20~70°C		
Material of body	Aluminum alloy		

[Note1] PT thread, G thread and NPT thread are available.

Coil specification

Item	Specification		
Standard voltage	AC220V、AC110V、AC24V、DC24V、DC12V		
Scope of voltage	AC: ±15% DC: ±10%		
Power consumption	AC: 7VA DC: 7.0W		
Protection	IP65(DIN40050)		
Temperature classification	B Class		
Electrical entry	Terminal, Grommet		
Activating time	0.05 sec and below		
Max. frequency [Note1]	10 cycle/sec		

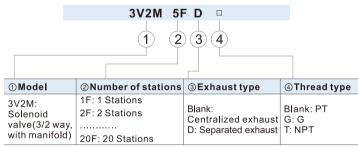
[Note1] The maximum actuation frequency is in the no-load state.

Ordering code

Ordering code for valve 3V2M NC A 1 2)(3) ① Model ②Acting type ③Standard voltage ④Electrical entry A: AC220V NC: Normally 3V2M: Solenoid B: DC24V closed Blank: Terminal valve(3/2 way, with C: AC110V NO: Normally I: Grommet[Note] manifold) F: AC24V opened F: DC12V

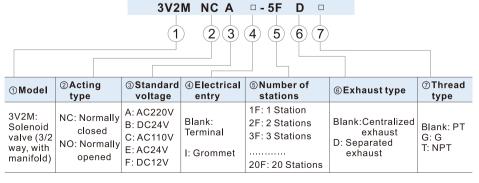
[Note] The wire length is 0.5m.

Ordering code for manifold

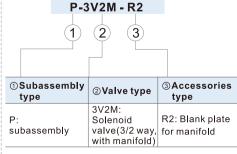


[Note]: Manifold kits contains manifold, seal and screw. The port size is only 1/8".

Ordering code for valve's group(valve+manifold)



Ordering code for blank plate

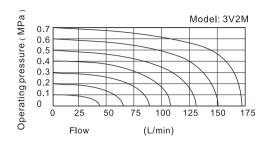


[Note]: Blank plate kits contains blank plate and screw.

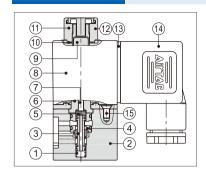


3V2M Series

Flow chart



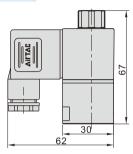
Inner structure

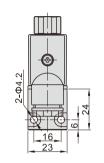


No.	Item	No.	Item
1	Spring	9	Armature
2	Body	10	Washer
3	Spool	11	Coil nut
4	Spacer	12	Manual button
5	Washer	13	Gasket
6	Electromagnet set	14	Connector
7	Mandril	15	Pilot screw
8	Coil		

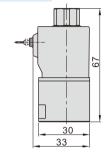
Dimensions

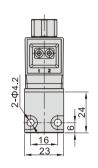
Valve(Terminal)



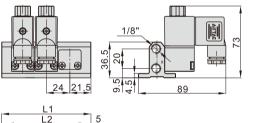


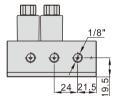
Valve(Grommet)

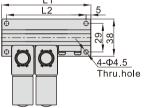




Valve's group(Terminal, Centralized exhaust)

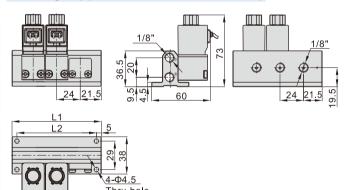






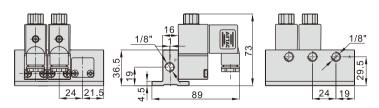
L1=24Xn+19, L2=24Xn+9 "n" means number of stations.

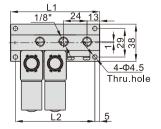
Valve's group(Grommet, Centralized exhaust)



L1=24Xn+19, L2=24Xn+9 "n" means number of stations.

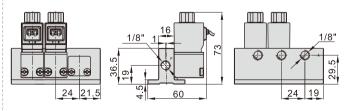
Valve's group(Terminal, Separated exhaust)

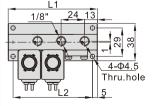




L1=24Xn+19, L2=24Xn+9 "n" means number of stations.

Valve's group(Grommet, Separated exhaust)





L1=24Xn+19, L2=24Xn+9 "n" means number of stations.

