

Valve

3V1
3V2
3V2M
3V3
3V100
3V200
3V300
4V100
4V200
4V300
4V400
HY-S1
HY-S2
HY-S3
HY-S4



4M

3V Manifold

4V Manifold

Coil

3A100

3A200

3A300

4A100

4A200

4A300

4A400

3A Manifold

4A Manifold

VF3000

VF5000

SY

SY Manifold

MVSD-180

MVSC-220

MVSC-260

MVSC-300

MVSC-460

HB10

3H

4H

TSV

3R

4R

HSV

4HV/4HVL

HV

K²⁴₃₄

MOV

JM

MSV

XQ²³₂₅

3F/3FM

4F

FV

K²³₂₅

ASC

RE

QE

ST

KA

XQ

AQ

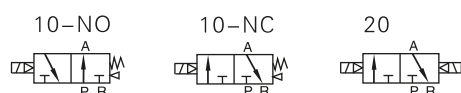
Specifications

Model	3V310-08	3V320-08	3V310-10	3V320-10
Fluid	Air (to be filtered by 40μm 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	1.2MPa(175psi)			
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.

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.

Coil specifications

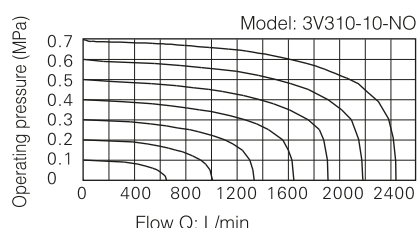
Item	Specifications				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ±15% DC: ±10%				
Power consumption	4.5VA	4.5VA	5.0VA	3.0W	3.0W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				
Max. frequency ①	5 cycle/sec				

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

Ordering code

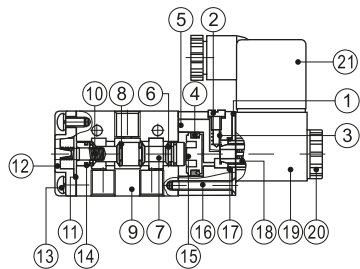
3V	3	10	10	NO	A	□	□	W
Model								
3V Solenoid valve (3/2 way)								
Code								
3 300 Series								
Valve type								
10 Single solenoid								
20 Double solenoid								
Port size								
08 1/4"								
10 3/8"								
Acting type								
Valve type Acting type								
10 NC: Normally closed								
20 NO: Normally opened								
20 Not code								
Voltage								
A AC220V								
B DC24V								
C AC110V								
E AC24V								
F DC12V								
Electrical entry								
Blank Terminal								
I Grommet								
Thread type								
Blank PT								
G G								
T NPT								
Pilot type								
Blank: Internal pilot								
Without M5 thread hole								
W: External pilot								
With M5 thread hole								

Flow chart

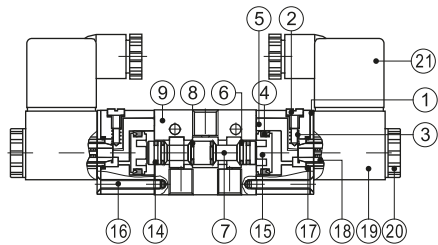


Inner structure

3V310



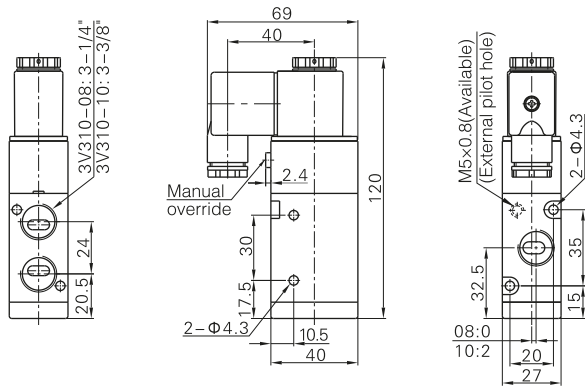
3V320



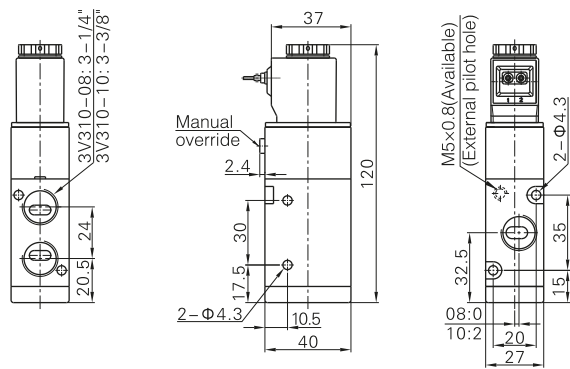
No.	Item	No.	Item	No.	Item
1	Fixed plate	8	O-ring	15	Piston
2	Manual reset	9	Body	16	Pilot screw
3	Reset spring	10	Spool spring	17	O-ring
4	Piston O-ring	11	Bottom cover gasket	18	Armature
5	Pilot body	12	Bottom cover	19	Coil
6	Spool packing	13	Screw	20	Coil net
7	Spool	14	Wear ring	21	Connector

Dimensions

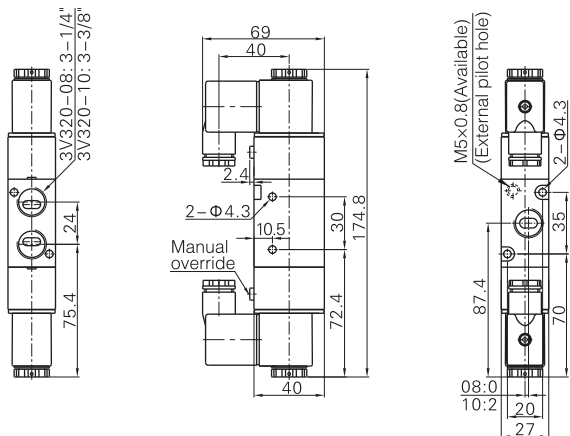
3V310(Terminal)



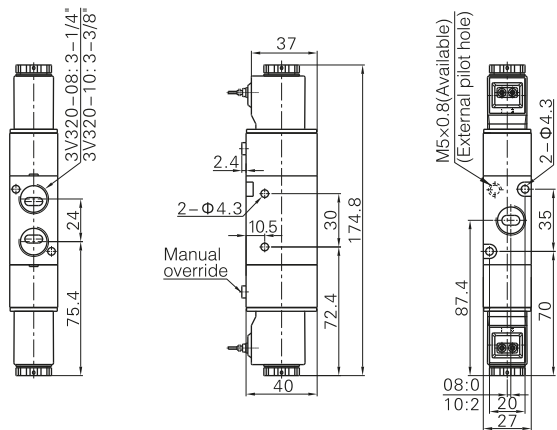
3V310(Grommet)



3V320(Terminal)



3V320(Grommet)



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MVSC-460
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4H
TSV
3R
4R
HSV
4HV/4HVL
HV
K ²⁴ ₃₄
MOV
JM
MSV
XQ ²³ ₂₅
3F/3FM
4F
FV
K ²³ ₂₅
ASC
RE
QE
ST
KA
XQ
AQ