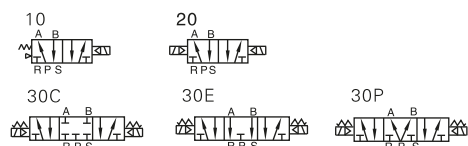


Valve

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



Symbol



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

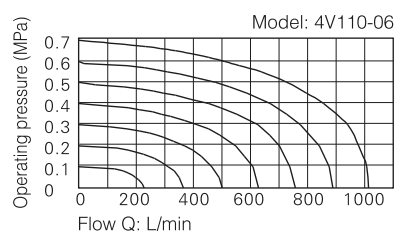
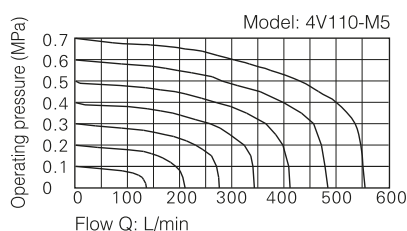
Product feature

1. Pilot-oriented mode: Internal pilot or external pilot.
2. Structure in sliding column mode: good tightness and sensitive reaction.
3. Three position solenoid valves have three kinds of central function for your choice.
4. Double control solenoid valves have memory function.
5. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
6. No need to add oil for lubrication.
7. It is available to form integrated valve group with the base to save installation space.
8. Affiliated manual devices are equipped to facilitate installation and debugging.
9. Several standard voltage grades are optional.

Ordering code

4V	1	10	06	A	□	□	—	W
Model		Valve type		Voltage		Electrical entry		Pilot type
4V Solenoid valve (5/2, 5/3 way)		10	Single solenoid 5/2 way	A	AC220V	Blank	Terminal	Blank: Internal pilot
		20	Double solenoid 5/2 way	B	DC24V	I	Grommet	
Code		30C	Double solenoid 5/3 way closed center	C	AC110V			
1 100 Series		30E	Double solenoid 5/3 way exhaust center	E	AC24V			
		30P	Double solenoid 5/3 way pressure center	F	DC12V			
		Port size						
		M5	M5					
		06	1/8"					

Flow chart



Specifications

Model	4V110-M5 4V120-M5	4V130C-M5 4V130E-M5 4V130P-M5	4V110-06 4V120-06	4V130C-06 4V130E-06 4V130P-06
Fluid	Air (to be filtered by 40μm filter element)			
Acting	Internal pilot or external pilot			
Port size ①	In=Out=M5		In=Out=1/8"	
Orifice size	5.5mm ² (Cv=0.31)	5.0mm ² (Cv=0.28)	12.0mm ² (Cv=0.67)	9.0mm ² (Cv=0.50)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Operating pressure	0.15~0.8MPa(21~114psi)			
Proof pressure	1.2MPa(175psi)			
Temperature (°C)	-20~70			
Material of body	Aluminum alloy			
Lubrication ②	Not required			
Max. frequency ③	5 cycle/sec	3 cycle/sec	5 cycle/sec	3 cycle/sec
Weight(g)	4V110-M5:120 4V120-M5:175	200	4V110-06:120 4V120-06:175	200

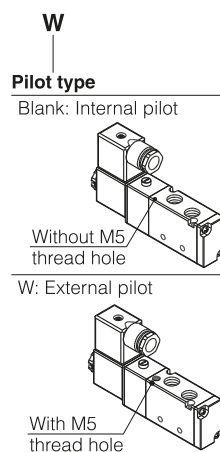
① PT thread, G thread and NPT thread are available.

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

③ The maximum actuation frequency is in the no-load state.

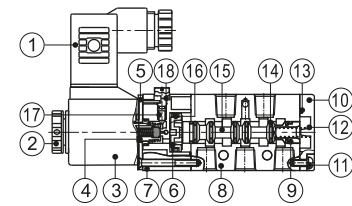
Coil specifications

Item	Specifications				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ±15% DC: ±10%				
Power consumption	3.5VA	3.5VA	4.0VA	2.5W	2.5W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				

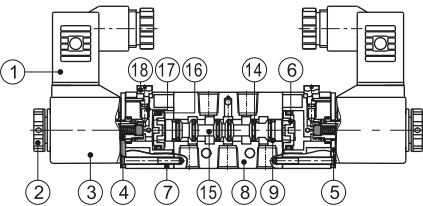


Inner structure

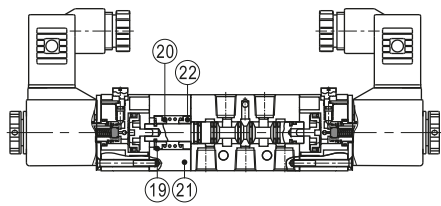
4V110



4V120



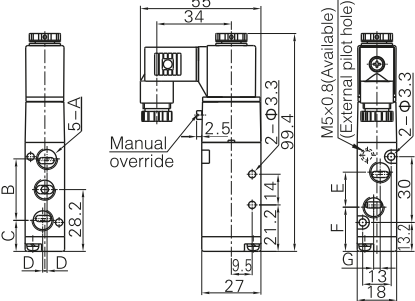
4V130C



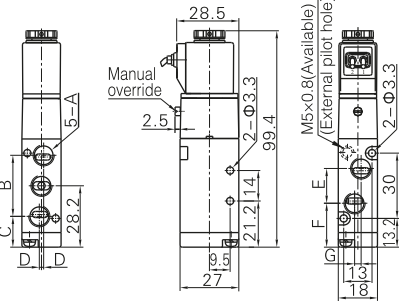
No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item
1	Connector	5	Fixed plate	9	Wear ring	13	Bottom cover gasket	17	Reset spring	21	Side cover
2	Coil net	6	Piston	10	Bottom cover	14	Spool O-ring	18	Manual reset	22	Spring holder
3	Coil	7	Pilot kit	11	Fixed screw	15	Spool	19	Spring holder		
4	Armature	8	Body	12	Spool spring	16	Piston O-ring	20	Return spring		

Dimensions

4V110(Terminal)

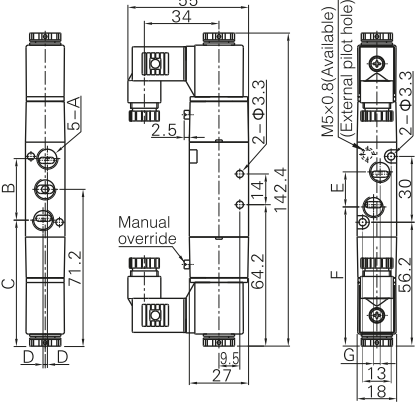


4V110(Grommet)

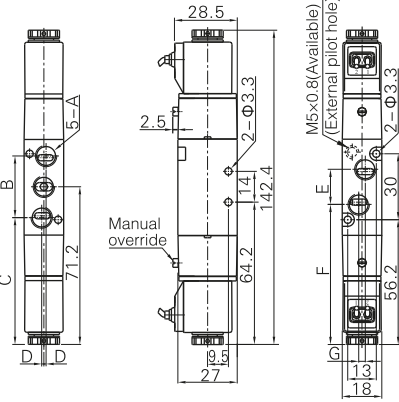


Model\Item	A	B	C	D	E	F	G
4V110-M5	M5×0.8	27	14.7	0	14	21.2	0
4V110-06	1/8"	28	14.2	1	16	20.2	3

4V120(Terminal)

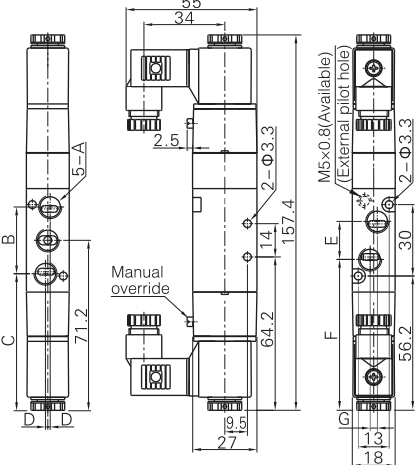


4V120(Grommet)

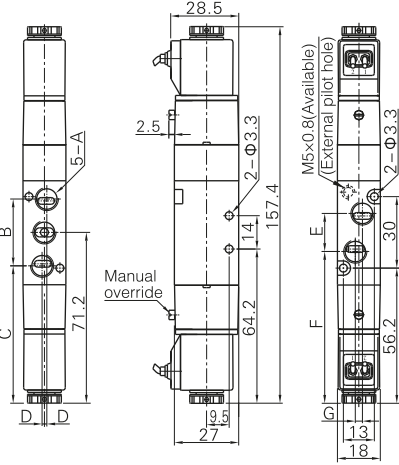


Model\Item	A	B	C	D	E	F	G
4V120-M5	M5×0.8	27	57.7	0	14	64.3	0
4V120-06	1/8"	28	57.2	1	16	63.2	3

4V130(Terminal)



4V130(Grommet)



Model\Item	A	B	C	D	E	F	G
4V130-M5	M5×0.8	27	57.7	0	14	64.3	0
4V130-06	1/8"	28	57.2	1	16	63.2	3

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
K ²⁴ ₃₄
MOV
JM
MSV
XQ ²³ ₂₅
3F/3FM
4F
FV
K ²³ ₂₅
ASC
RE
QE
ST
KA
XQ
AQ