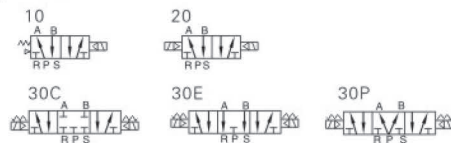


Solenoid valve (five-port and two-position, five-port and three-position) 4V200 series

PELLAcani



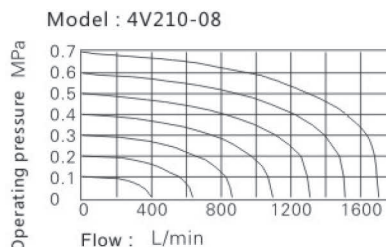
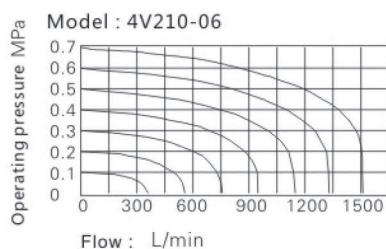
Symbol



Product Performance

1. It has the guide mode, and the external and internal parts are optional;
2. With the sliding column type structure, it has good sealing performance and sensitive response;
3. The three-position solenoid valve has three central features for selection;
4. The double-end and two-position solenoid valve has the memory function;
5. The inner hole is applied with special processing technology, which has small friction resistance, low starting pressure, and long service life;
6. It has no oil filling and lubrication needs;
7. With the valve group integrated with base, it can save installation space.
8. It is attached with manual device, which is convenient for installation and debugging;
9. There are a number of standard voltage grades for selection and use;

Flow characteristics



Specification

Model	4V210-06 4V220-06	4V230C-06 4V230E-06 4V230P-06	4V210-08 4V220-08	4V230C-08 4V230E-08 4V230P-08
Working Medium	Air (to be filtered by 40µm filter element)			
Action Mode	Guide -Type			
Port size①	Air Inlet=Air Outlet=Exhaust=PT1/8 Air Inlet=Air Outlet=PT1/4 Exhaust=PT1/8			
Effective Sectional Area	14mm ² (Cv=0.78)	12.0mm ² (Cv=0.67)	16.0mm ² (Cv=0.89)	12.0mm ² (Cv=0.67)
Position number	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Working pressure range	0.15~0.8MPa (21~114psi)			
Guarantee pressure resistance	1.5MPa (215psi)			
Working temperature°C	-20~70			
Body material quality	Aluminum alloy			
Lubrication②	Not required			
Highest actuation frequency③	5 cycle/sec	3 cycle/sec	5 cycle/sec	3 cycle/sec
Weight (g)	4V210-06:220 4V220-06:320	360	4V120-08:220 4V220-08:320	360

①The port thread forms of NPT and G are available.

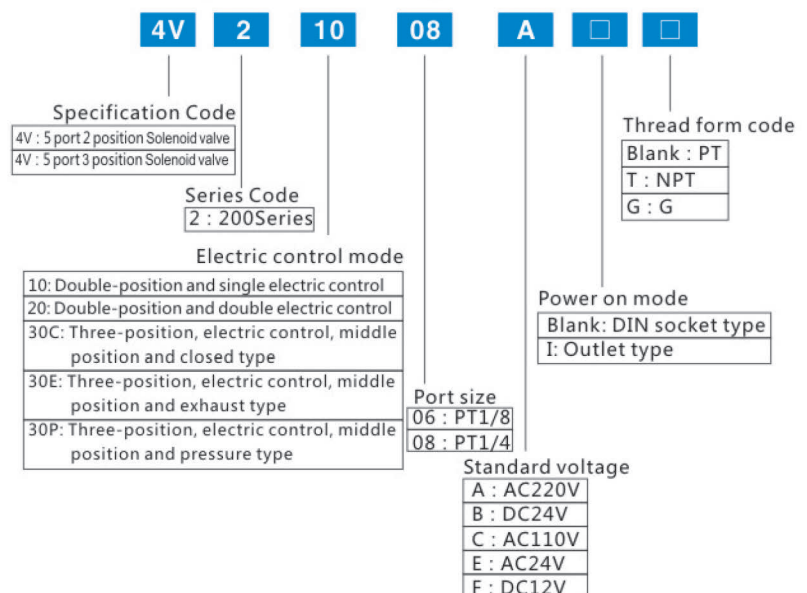
②Oil filling and lubrication can't be stopped in the half way. L ISO VG32 or equivalent lubricating oil is recommended.

③The highest actuation frequency is a no load state.

Coil specification

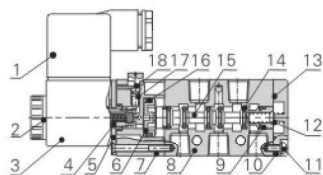
Item	Specific parameters				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Operating voltage range	AC : ±15%		DC : ±10%		
Power consumption	AC : 3.5VA		DC : 3.0W		
Protection grade	IP65(DIN40050)				
Heat resistance grade	B Class				
Power on type	DIN socket type and outlet type				
Excitation time	0.05sec and below				

Finished product ordering code

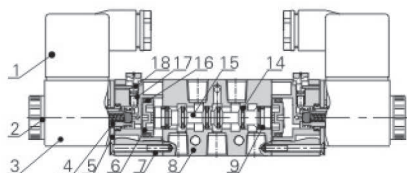


Inner structure

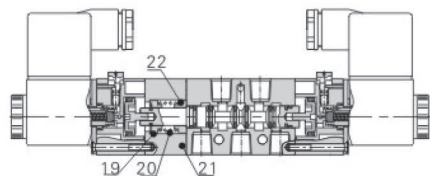
4V210



4V220



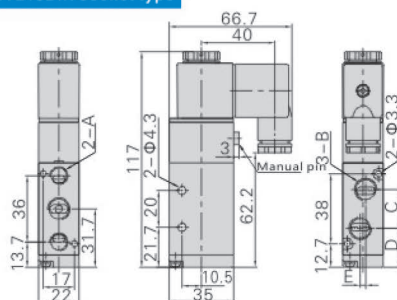
4V230C



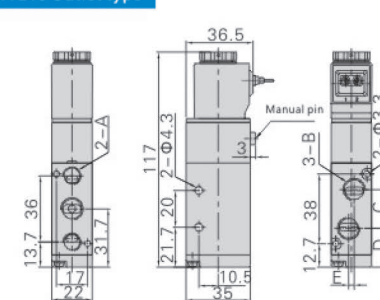
N o.	Item	N o.	Item	N o.	Item
1	Terminal	9	Wear ring	17	Spring
2	Fixing nut	10	Bottom cover	18	Manual pin
3	Coil	11	Screw	19	Reverted seat
4	Movable iron	12	Manual pin	20	Spring
5	Fixed iron plate	13	Sealing gasket	21	Side cover
6	Piston	14	O-ring	22	Reverted seat
7	Guide body	15	Spring		
8	Body	16	Profiled O-ring		

Overall Dimension

4V210DIN socket type

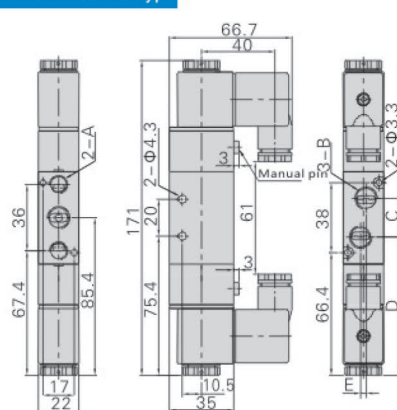


4V210 Outlet type

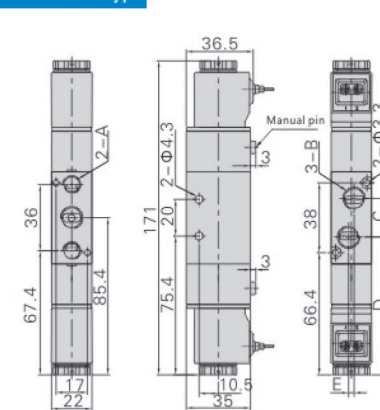


Model/Symbol	A	B	C	D	E
4V210-06	PT1/8	PT1/8	18	22.7	0
4V210-08	PT1/8	PT1/4	21	21.2	3

4V220DIN socket type

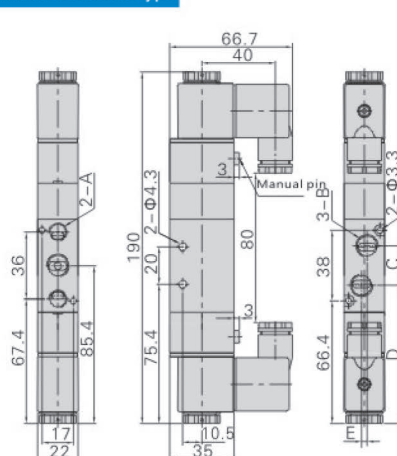


4V220 Outlet type

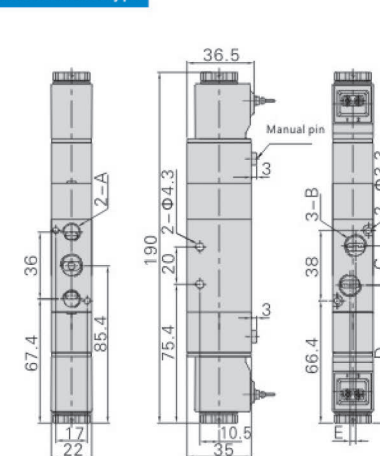


Model/Symbol	A	B	C	D	E
4V220-06	PT1/8	PT1/8	18	76.4	0
4V220-08	PT1/8	PT1/4	21	74.9	3

4V230DIN socket type



4V230 Outlet type



Model/Symbol	A	B	C	D	E
4V230-06	PT1/8	PT1/8	18	76.4	0
4V230-08	PT1/8	PT1/4	21	74.9	3

