



Directional Valve 5/2 or 5/3 Solenoid Valve Pilot-oriented 1 - 4 series body size

5/2, 5/3
SERIES
V

Directional
Valve

Features

- Pilot-oriented of internal pilot or external pilot.
- Structure in sliding column with good tightness and sensitive reaction.
- Double control solenoid valves have memory function.
- Internal hole adopts special processing technology with the only 3-5 μm thickness of an anti-wear coating, providing little attrition friction, low start pressure and long service life.
- No need to add oil for lubrication.
- Integrate with the manifold to save installation space.



Product Information

Model	V4110-M5 V4110-06	V4130C-M5/06 V4130E-M5/06 V4130P-M5/06	V4120-M5 V4120-06	V4210-06 V4210-08	V4230C-06/08 V4230E-06/08 V4230P-06/08	V4220-06 V4220-08	V4310-08 V4310-10	V4330C-08/10 V4330E-08/10 V4330P-08/10	V4320-08 V4320-10	V4410-15	V4430C-15 V4430E-15 V4430P-15	V4420-15
Weight (g)	120	200	175	220	360	320	310	450	400	590	770	720
Material of Body	Aluminum alloy											
Valve Type	5 ports and 2 positions or 5 ports and 3 positions											
Thread Type	G thread standard default, PT, NPT thread are available											
Lubrication Notes	Once lubricated used, continue with same medium to optimize valve life span											
DIN Connector	A variety of color options: Black, Translucent Tawny, Transparent											

Specifications

Model		V4110-M5	V4110-06	V4210-06	V4210-08	V4310-08	V4310-10	V4410-10	V4410-15
		V4120-M5	V4120-06	V4220-06	V4220-08	V4320-08	V4320-10	V4420-10	V4420-15
		V4130-M5	V4130-06	V4230-06	V4230-08	V4330-08	V4330-10	V4430-10	V4430-15
Port size		M5	1/8"	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"
Orifice Size (Cv)	5/32	3.5mm ² Cv0.31	12mm ² Cv0.67	16mm ² Cv0.89	18mm ² Cv0.89	25mm ² Cv1.40	30mm ² Cv1.80	30mm ² Cv2.79	50mm ² Cv2.79
	5/3	3.5mm ² Cv0.38	8mm ² Cv0.5	13mm ² Cv0.67	17mm ² Cv0.67	18mm ² Cv1.00	18mm ² Cv1.00	30mm ² Cv1.67	30mm ² Cv1.67
Working Medium		Air (to be filtered by 40 μm filter element)							
Acting Type		Internal pilot type / External pilot type							
Reset Type		Air reset / Spring reset							
Lubrication		Not required							
Working Pressure		0.15 - 0.8 Mpa (21 - 114 Psi)							
Max. Proof Pressure		1.2 Mpa (0 - 174 Psi)							
Working Temperature		- 5 - 60℃ (No Freezing)							
Voltage Range		AC : ±15% & DC: ±10%							
Power Consumption		AC220V: 3.5 VA		AC110V: 3.5 VA		DC24V: 2.5 W		DC12V: 2.5 W	
Insulation & Protection		Class F ; IP65 (DIN40050)							
Connection Form		Line type or Terminal type							
Highest Acting Frequency		5 Cycles / Second							
Shortest Excitation Time		0.05 Second							

5/2, 5/3 SERIES V

Directional Valve
5/2 or 5/3 Solenoid Valve
Pilot-oriented
1 - 4 series body size



Ordering Code

V A 4 2 3 0 P - 0 6 / / / J - N

Series Code	
V:	Spring return series
VA:	Air return series

Note:
Valve body color can be customized.
Please consult SENYA staffs
for more details.

Body Size	
1:	1 series body size
2:	2 series body size
3:	3 series body size
4:	4 series body size

Coil Control	
10:	Single Coil Control
20:	Double Coils Control
30C:	5/3 way Center Closed
30E:	5/3 way Center Exhaust
30P:	5/3 way Center Pressure

Port Size	
M5:	M5
06:	1/8"
08:	1/4"
10:	3/8"
15:	1/2"

Note: if chooses VA series,
no need for this code.

VOLTAGE	
A1:	AC380V
A2:	AC220V
A3:	AC110V
A4:	AC24V
D1:	DC12V
D2:	DC24V

Electrical Entry	
Blank:	DIN Connector
F:	Flying leads (0.5m)

Note: if chooses M5 thread,
no need for this code.

Thread Standard	
Blank:	G
P:	PT
N:	NPT

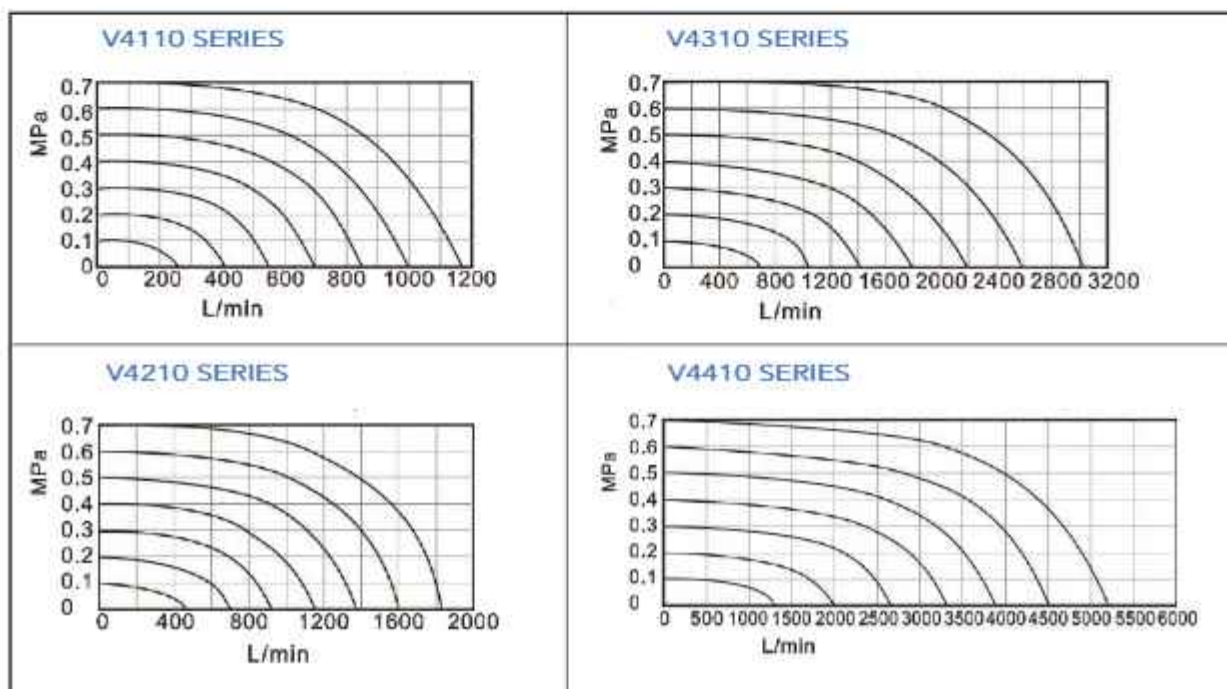
Note: it only for DIN
connector option

DIN Connector Type	
Blank:	Brown Translucent
B:	Black Non-Translucent
J:	Translucent

Ordering Example:

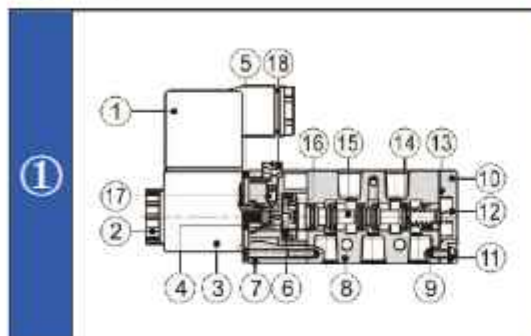
5/2 ways, solenoid valve, 3 series body size, single coil control, DC24V, DIN connector, 1/4" G
SENYA part# V4310-08D2

Flow Chart:

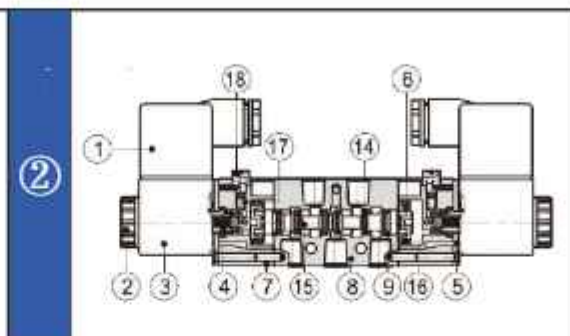


Product Structure:

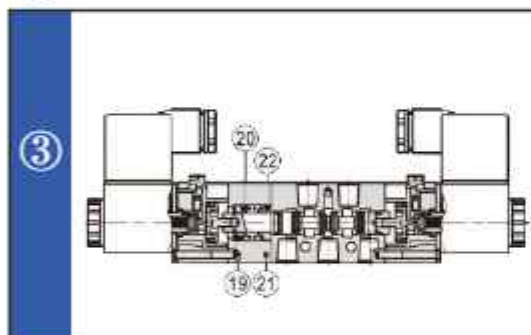
① Single Coil Control



② Double Coils Control

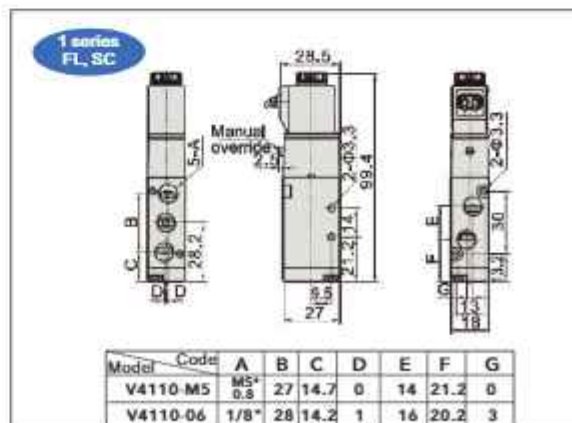
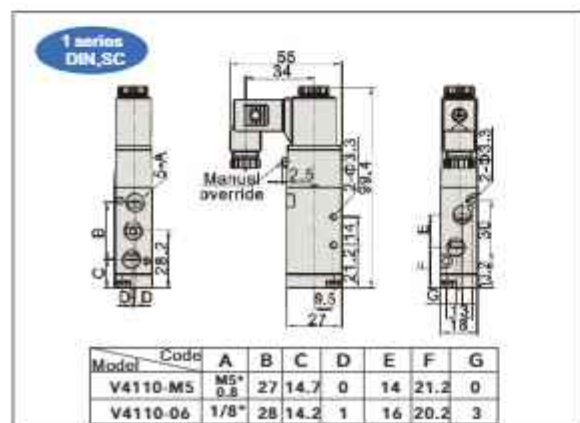


③ Double Coils Control with 3 positions



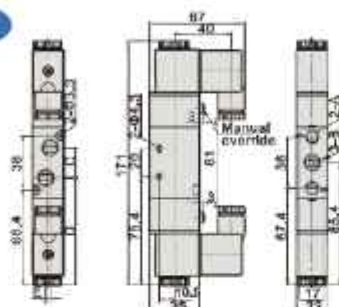
1	Connector	4	Armature	7	Pilot kit	10	Bottom cover	13	Bottom cover gasket	16	Piston O-ring	19	Spring holder	22	Spring holder
2	Coil net	5	Fixed plate	8	Body	11	Fixed screw	14	Spool O-ring	17	Override spring	20	Return spring		
3	Coil	6	Piston	9	Wear ring	12	Spool spring	15	Spool	18	Manual override	21	Side cover		

Product Dimensions (1 - 4 body series):



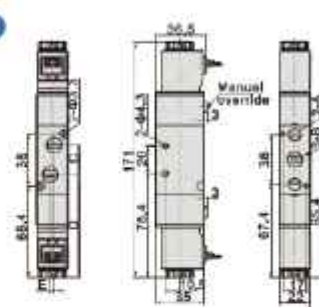
Model \ Code	A	B	C	D	E
V4210-06	1/8"	1/8"	18	22.7	0
V4210-08	1/8"	1/4"	21	21.2	3

**2 series
DIN DCs**



Model	Code	A	B	C	D	E
V4220-06		1/8"	1/8"	18	76.4	0
V4220-08		1/8"	1/4"	21	74.9	3

2 series
FL, DCs



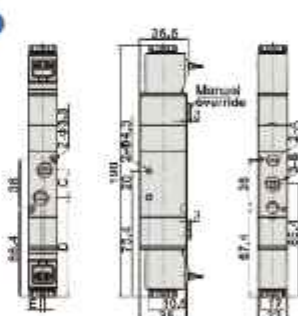
Model \ Codes	A	B	C	D	E
V4220-06	1/8"	1/8"	18	76.4	0
V4220-08	1/8"	1/4"	21	74.9	3

2 series
DIN, 3 ways



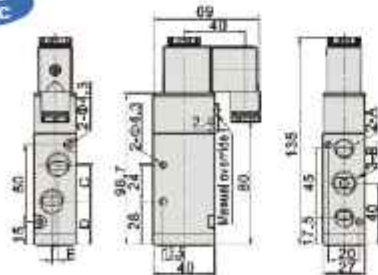
Model \ Code	A	B	C	D	E
V4230-06	1/8"	1/8"	18	76.4	0
V4230-08	1/8"	1/4"	21	74.9	1

2 series
FL, 3 ways



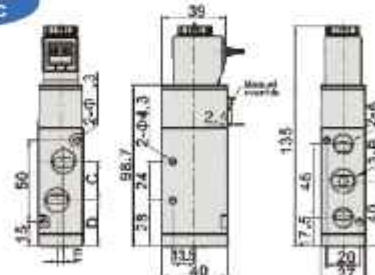
Model	Code	A	B	C	D	E
V4230-06		1/8"	1/8"	18	76.4	0
V4230-08		1/8"	1/4"	21	74.9	3

3 series
DIN, SC



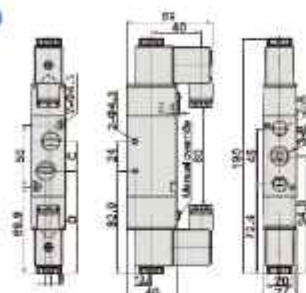
Model \ Code	A	B	C	D	E
V4310-08	1/4"	1/4"	22	29	0
V4310-10	1/4"	3/8"	24	28	4

3 series
FL, SC



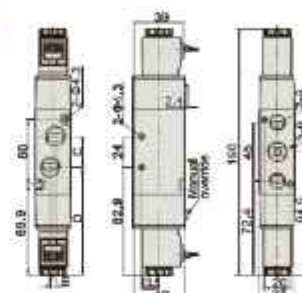
Model \ Code	A	B	C	D	E
V4310-08	1/4"	1/4"	22	29	0
V4310-10	1/4"	3/8"	24	28	4

**S series
DIN DCs**

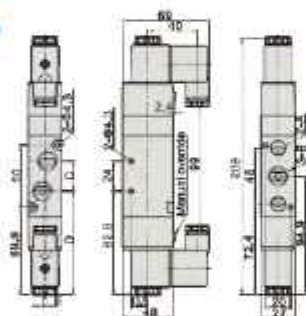


Model \ Code	A	B	C	D	E
V4320-08	1/4"	1/4"	22	83.9	0
V4320-10	1/4"	3/8"	24	82.9	4

3 series
FL, DCs

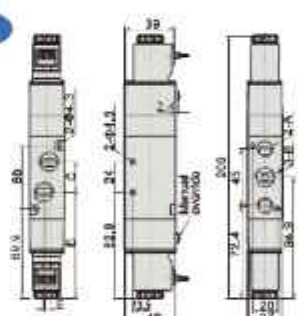


Model \ Code	A	B	C	D	E
V4320-08	1/4"	1/4"	22	83.9	0
V4320-10	1/4"	3/8"	24	82.9	4

3 series
DIN, 3 ways

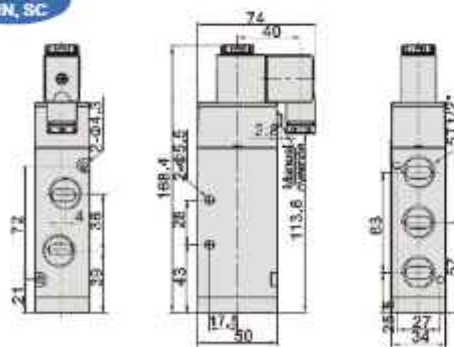
Model	Code	A	B	C	D	E
V4330-08		1/4"	1/4"	22	83.9	0
V4330-10		1/4"	3/8"	24	82.9	4

3-series
FL, 3 ways



Model \ Code	A	B	C	D	E
V4330-08	1/4"	1/4"	22	83.9	0
V4330-10	1/4"	3/8"	24	82.9	4

4 series
DIN, SC



4 series
FL, SC

