

The ME4-Series In-line 5/2 and 5/3 Air and Solenoid actuated valves provide an extensive range of flow options at low prices. The range may be used Lubrication free and may be Manifold Mounted for multi-task applications. The Solenoid versions feature interchangeable coils and twist—lock Manual Overrides. As well as Pressure Held and Pressure Release 5/3 versions the range also includes a Pressure Applied spool option.

Technical Specification		100 Series				200 Series				300 Series				400 Series			
Port Size Code	Units	M5	M5	06	06	06	06	08	08	08	10	10	10	15	15		
Port Size (In and Outlet)	mm/BSP	M5-0.5	M5-0.5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4	G1/4	G1/4	G3/8	G3/8	G1/4	G1/4		
Port Size (Exhaust)	mm/BSP	M5-0.5	M5-0.5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4	G1/4	G1/4	G3/8	G3/8	G1/4	G1/4		
Spool Function		5/2	5/3	5/2	5/3	5/2	5/3	5/2	5/3	5/2	5/3	5/2	5/3	5/2	5/3		
Equiv. Orifice Diameter	mm	2.6	2.5	3.9	3.4	4.2	3.9	4.5	3.9	5.6	4.7	6.2	4.7	5.2	5/3		
CV		0.31	0.28	0.67	0.5	0.78	0.67	0.89	0.67	1.39	1.0	1.67	1.0				
Suggested Cylinder Size	mm	12 to 40				40 to 63				63 to 100				80 to 160			
Operating Pressure	bar (Min.)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
	bar (Max)	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
Proof Pressure	bar	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
Air Pilot Versions (A.)		Externally Piloted, G1/8 Ports															
Solenoid Pilot Versions (V)		Internally Piloted															
Media		Air or Inert Gas															
Ambient Temp.	°C (Min.)	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5		
	°C (Max)	+60	+60	+60	+60	+60	+60	+60	+60	+60	+60	+60	+60	+60	+60		
Solenoid Coil Power, DC	W	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
Solenoid Coil Power, AC	VA	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Duty Cycle	%	100															
Coil Insulation Class		F	F	F	F	F	F	F	F	F	F	F	F	F	F		
Protection Rating	DIN40050	IP65	IP66	IP67	IP68	IP69	IP70	IP71	IP72	IP73	IP74	IP75	IP76	IP77	IP78		
Voltage Tolerance	%	-10 to +10 of Rated Voltage															

Materials	Condition	
Housing	Anodised	Aluminium
End Cap - Air Pilot	Painted	Aluminium
End Cap - Solenoid Pilot	Natural	Plastic
End Cap - Spring Return	Painted	Aluminium
O Ring Seals		Nitrile
Screws	Plated	Steel
Operator Tube	Natural	Brass
Plunger and Spring	Natural	Stainless Steel
Solenoid Operator Seals		Viton
Manifold	Painted	Aluminium

Symbol		
	V*10	A*10
	V*20	A*20
	V*30C	A*30C
	V*30E	A*30E
	V*30P	A*30P

ME4-V 2 10-06 B

FAMILY SERIES

ME4 = In-line 5/2 and 5/3

ACTUATION TYPE

A = Air Pilot Actuators
V = Solenoid Pilot Actuators

VALVE SIZE

1 = 100 Series (18mm Width)
2 = 200 Series (22mm Width)
3 = 300 Series (27mm Width)
4 = 400 Series (34mm Width)

FUNCTION

10 = 2-Position Single Pilot / Spring Return
20 = 2-Position Double Pilot
30C = 3-Position Pressure Held
30E = 3-Position Pressure Release
30P = 3-Position Pressure Equalised

COIL VOLTAGE

Blank = No Coil or Air Pilot Versions
A = 12VDC D = 24VAC
B = 24VDC F = 110VAC
H = 220VAC
T = 380VAC

PORT SIZE

M5 = M5-0.5 (100 Series Only)
06 = G1/8 (1/8" BSP)
08 = G1/4 (1/4" BSP)
10 = G3/8 (3/8" BSP - 300 Series Only)
15 = G1/2 (1/2" BSP - 400 Series Only)

ME4-100M-05 F

FAMILY SERIES

ME4 = In-line Series

MANIFOLD SIZE

100M = 100 Series (18mm Wide Valves)
200M = 200 Series (22mm Wide Valves)
300M = 300 Series (27mm Wide Valves)
400M = 400 Series (34mm Wide Valves)

ACCESSORIES

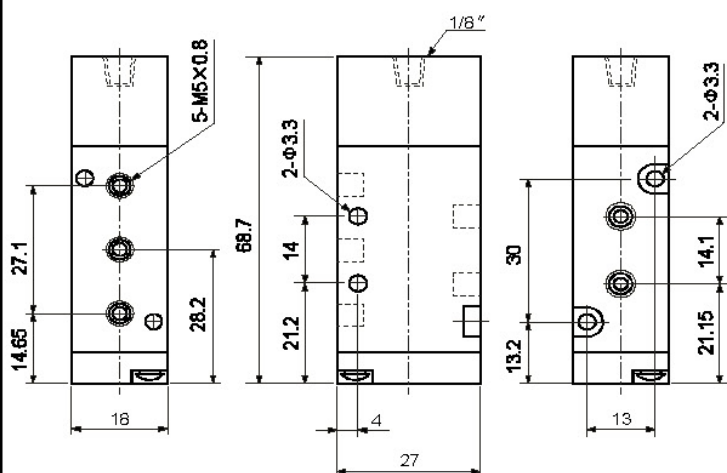
F = Gaskets and Mounting Screws
B = Blanking Plate and Mounting Screws

MANIFOLD STATIONS

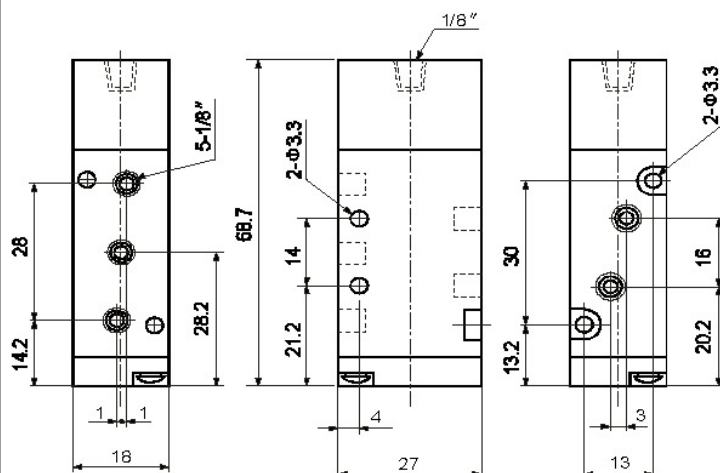
1 to 10 = Number of Stations

◆ Dimensions

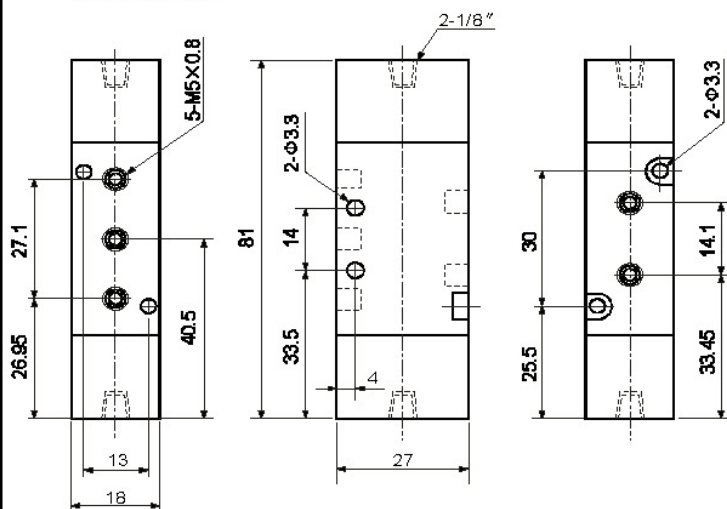
4A110-M5



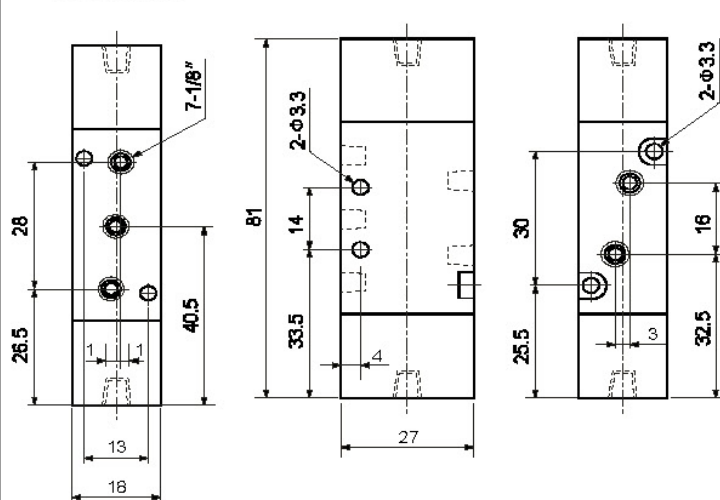
4A110-06



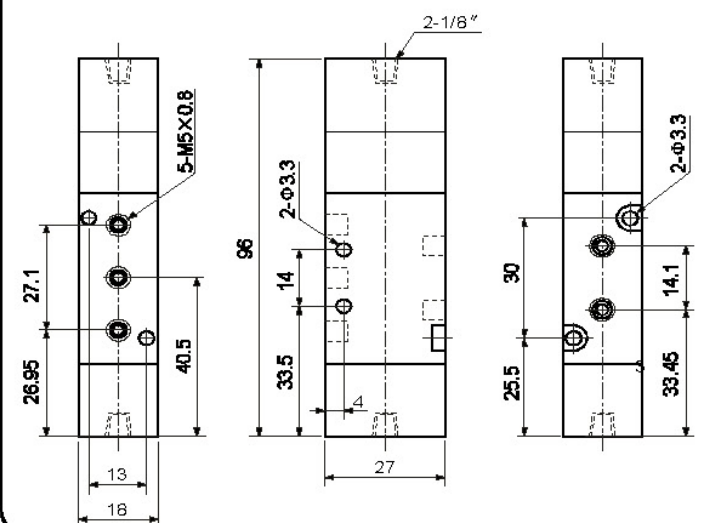
4A120-M5



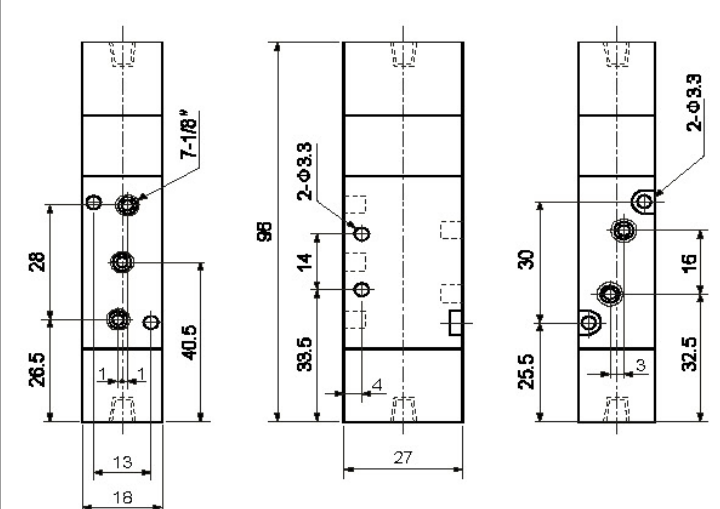
4A120-06



4A130-M5



4A130-06

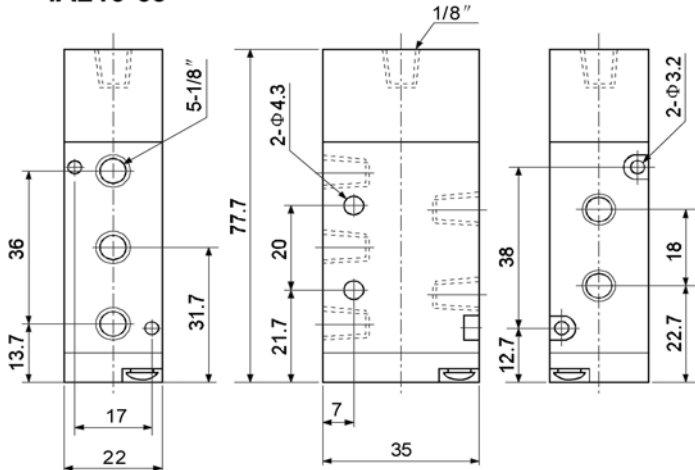


MARIO

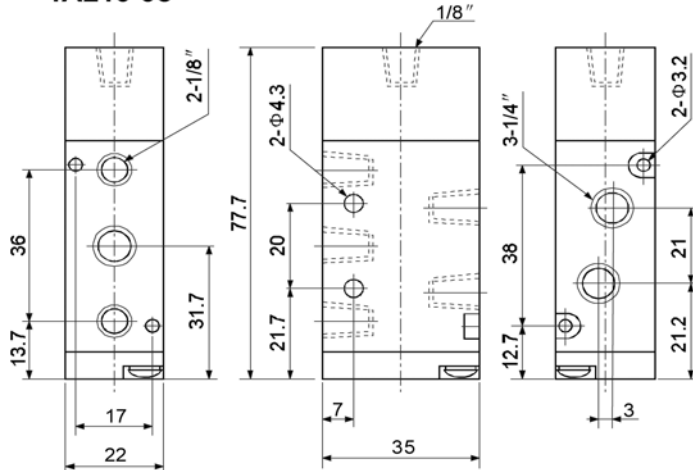


◆ Dimensions

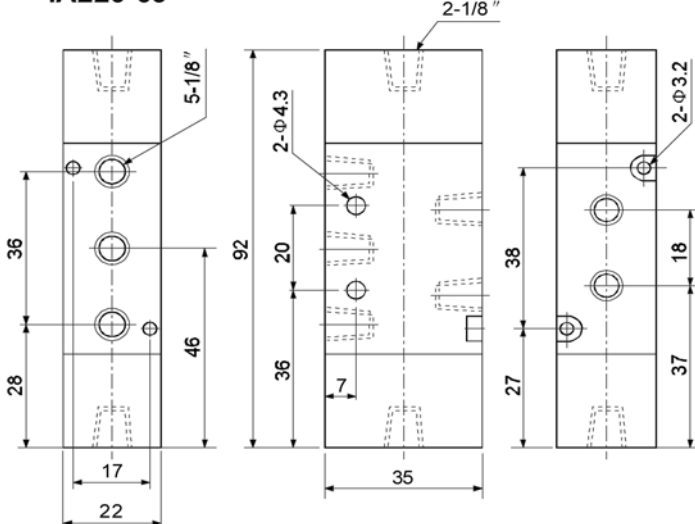
4A210-06



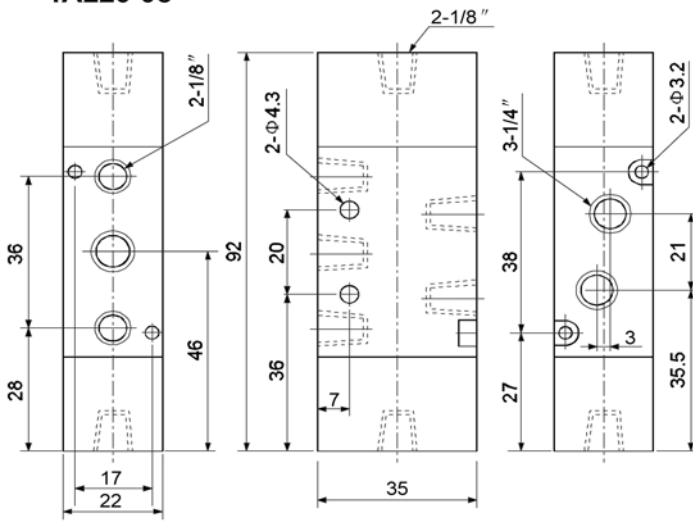
4A210-08



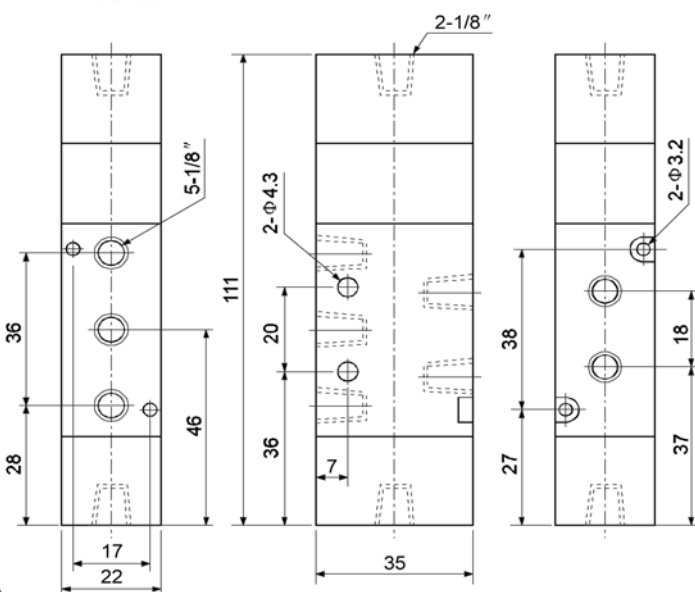
4A220-06



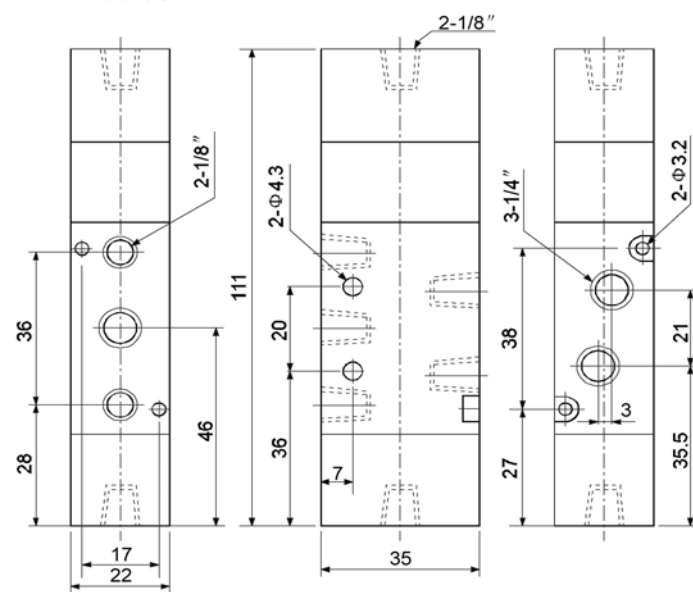
4A220-08



4A230-06



4A230-08

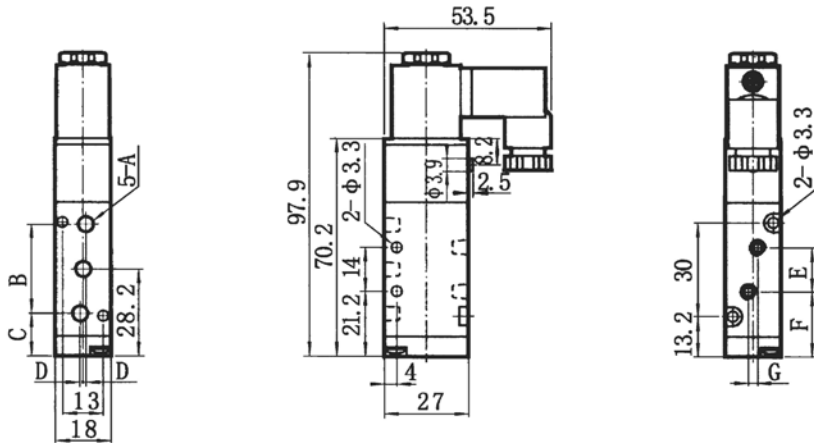


[illegible]



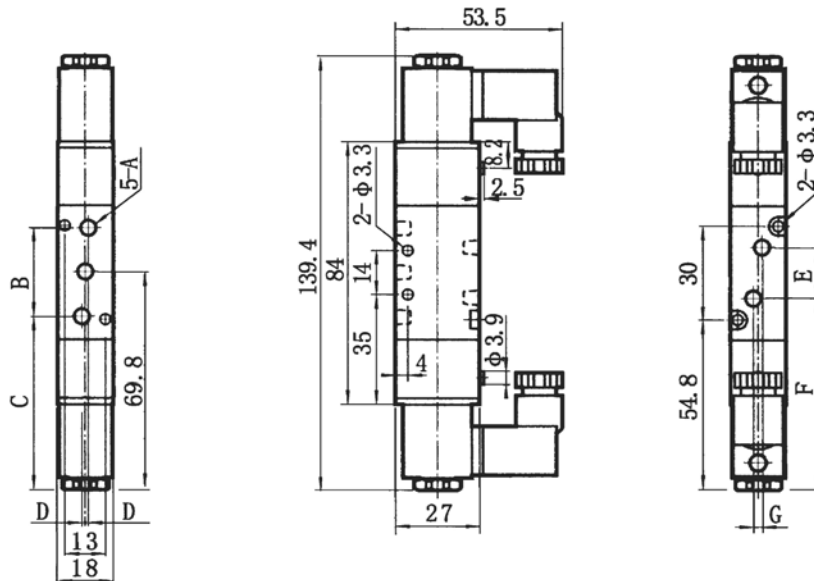
Dimensions(mm):

4V110



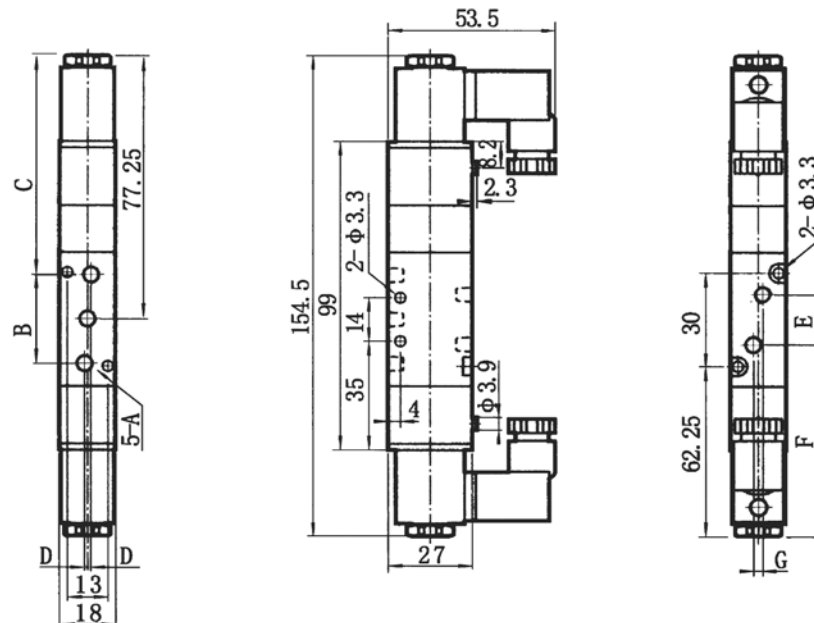
Type	4V110-M5	4V110-06
A	M5 × 0.8	G1/8
B	27	28
C	14.7	14.2
D	0	1
E	14	16
F	21.2	20.2
G	0	3

4V120



Type	4V120-M5	4V120-06
A	M5 × 0.8	G1/8
B	27	28
C	56.2	55.7
D	0	1
E	14	16
F	62.7	61.7
G	0	3

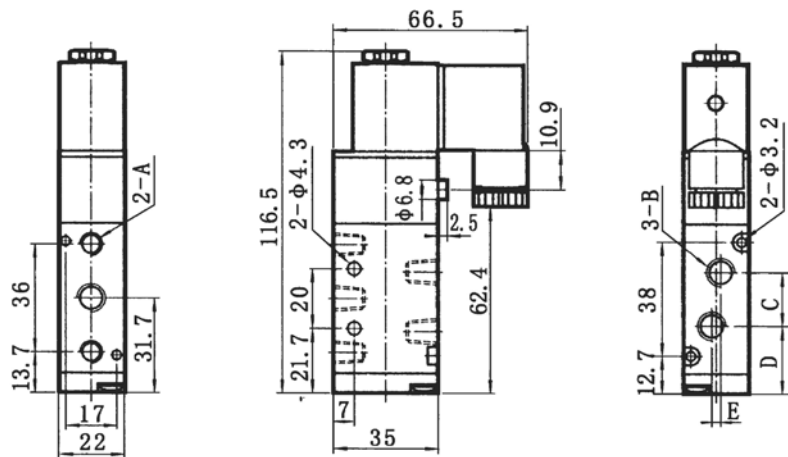
4V130



Type	4V130-M5	4V130-06
A	M5 × 0.8	G1/8
B	27	28
C	63.75	63.25
D	0	1
E	14	16
F	70.25	69.25
G	0	3

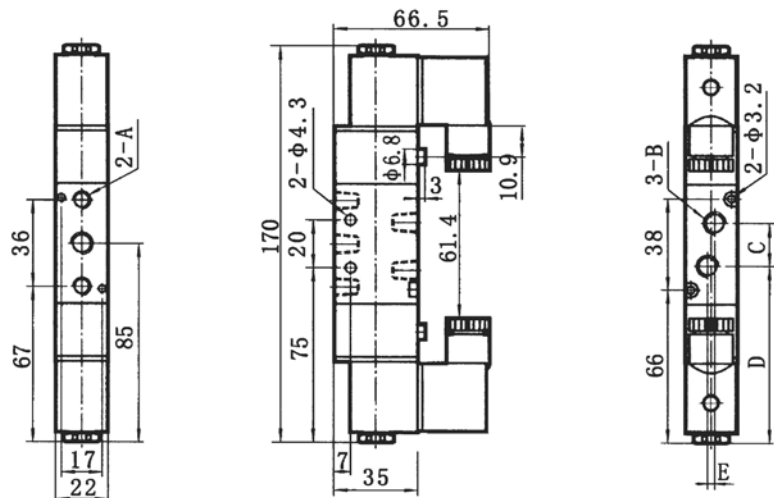
Dimensions(mm):

4V210



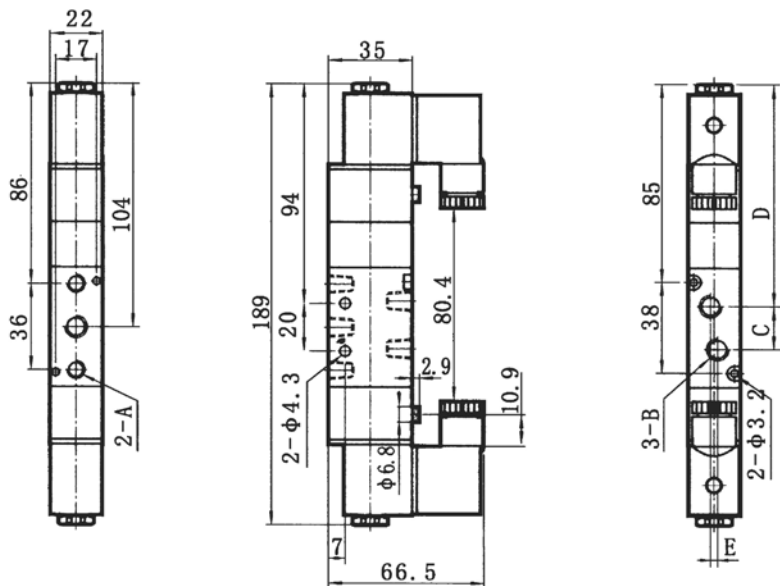
Type	4V210-06	4V210-08
A	G1/8	G1/8
B	G1/8	G1/4
C	18	21
D	22.7	21.2
E	0	3

4V220



Type	4V220-06	4V220-08
A	G1/8	G1/8
B	G1/8	G1/4
C	18	21
D	76	74.5
E	0	3

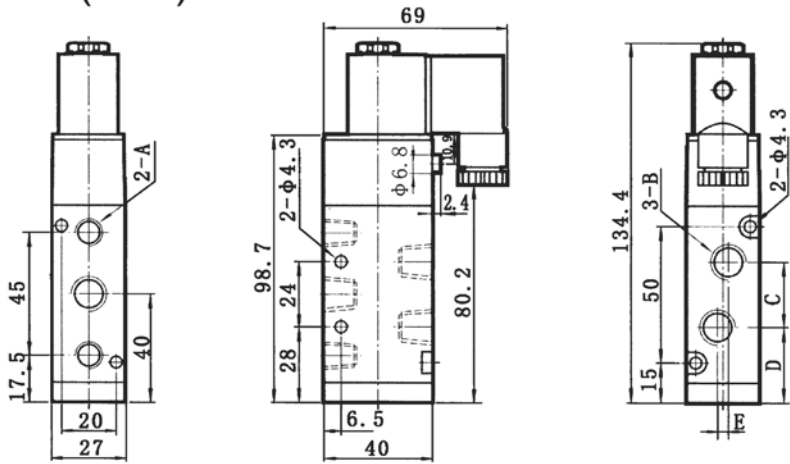
4V230



Type	4V230-06	4V230-08
A	G1/8	G1/8
B	G1/8	G1/4
C	18	21
D	95	93.5
E	0	3

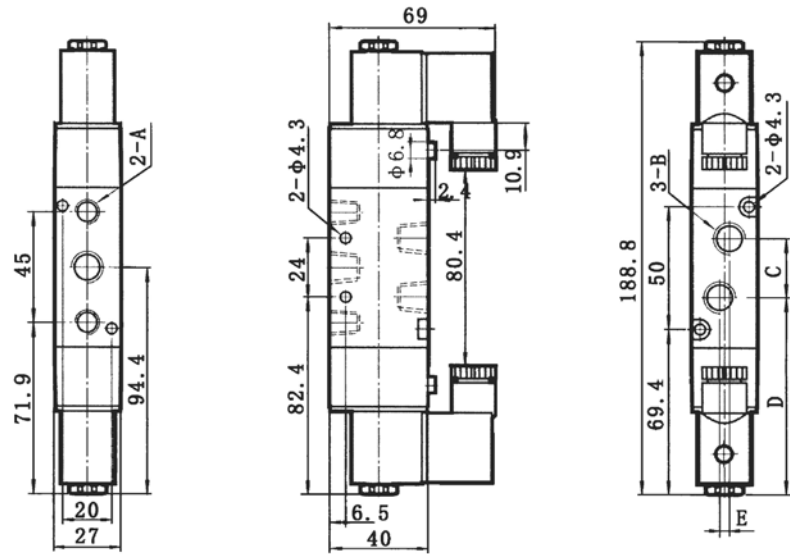
Dimensions(mm):

4V310



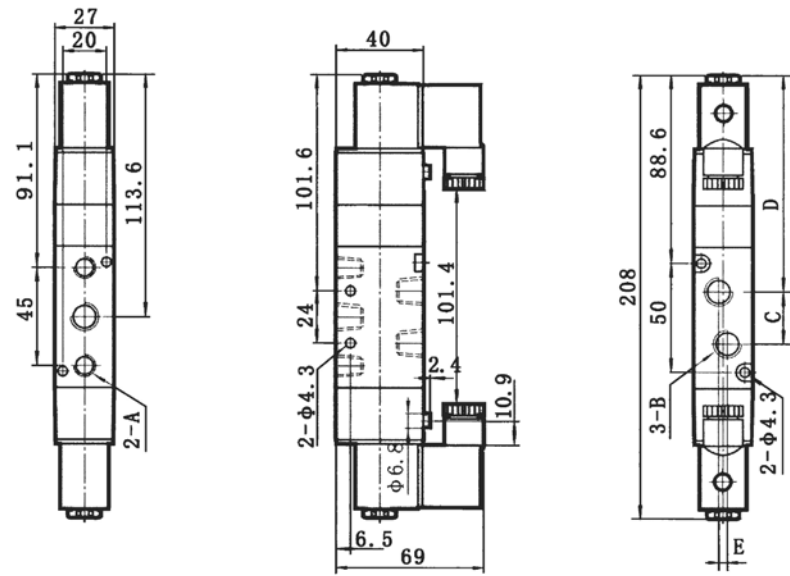
Type	4V310-08	4V310-10
A	G1/4	G1/4
B	G1/4	G3/8
C	22	24
D	29	28
E	0	4

4V320



Type	4V320-08	4V320-10
A	G1/4	G1/4
B	G1/4	G3/8
C	22	24
D	83.4	82.4
E	0	4

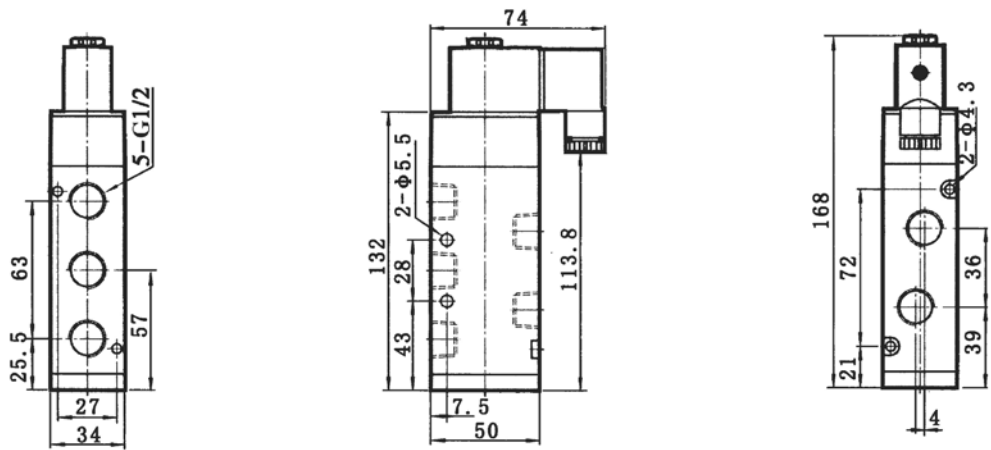
4V330



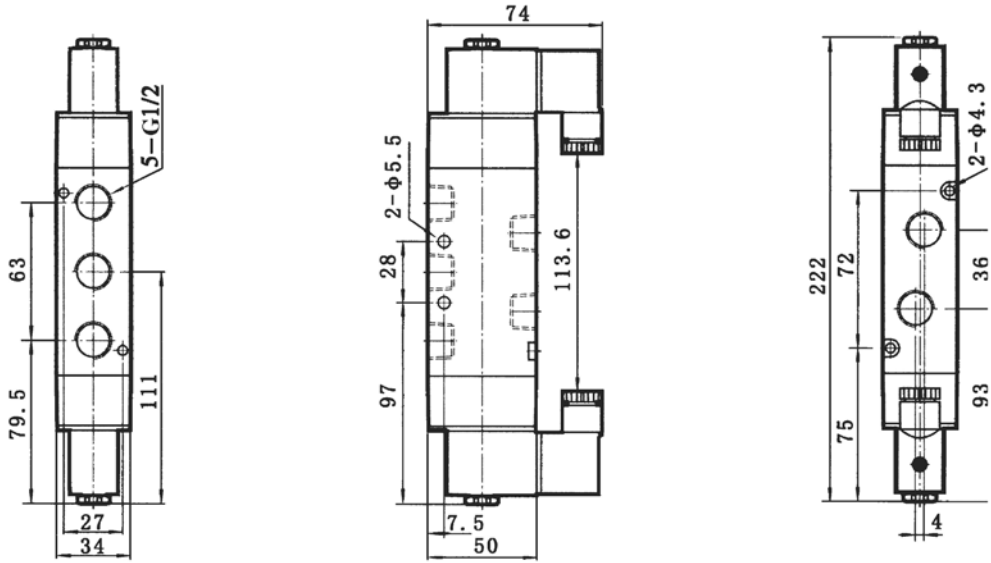
Type	4V330-08	4V330-10
A	G1/4	G1/4
B	G1/4	G3/8
C	22	24
D	102.6	101.6
E	0	4

Dimensions(mm):

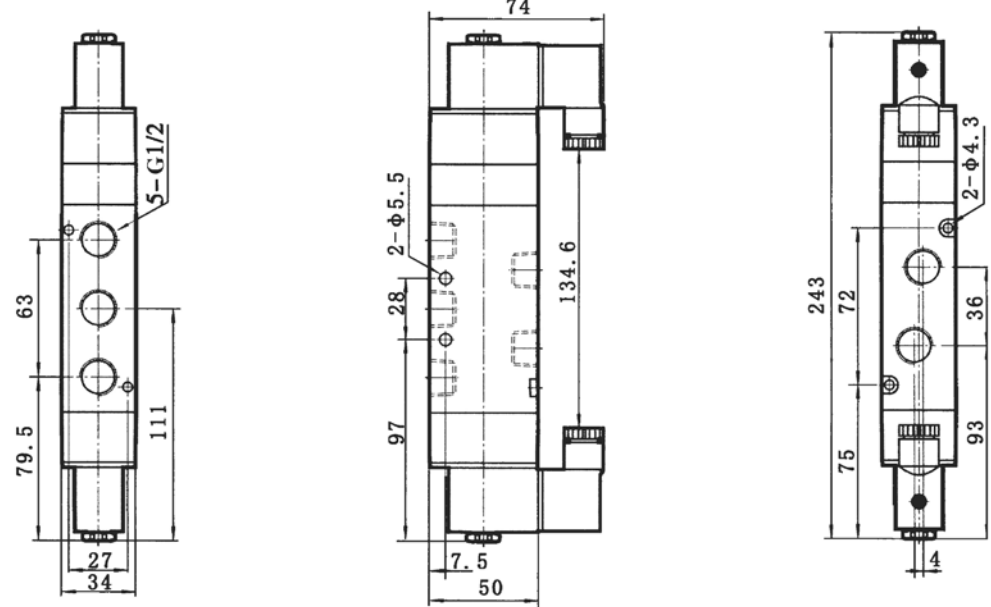
4V410



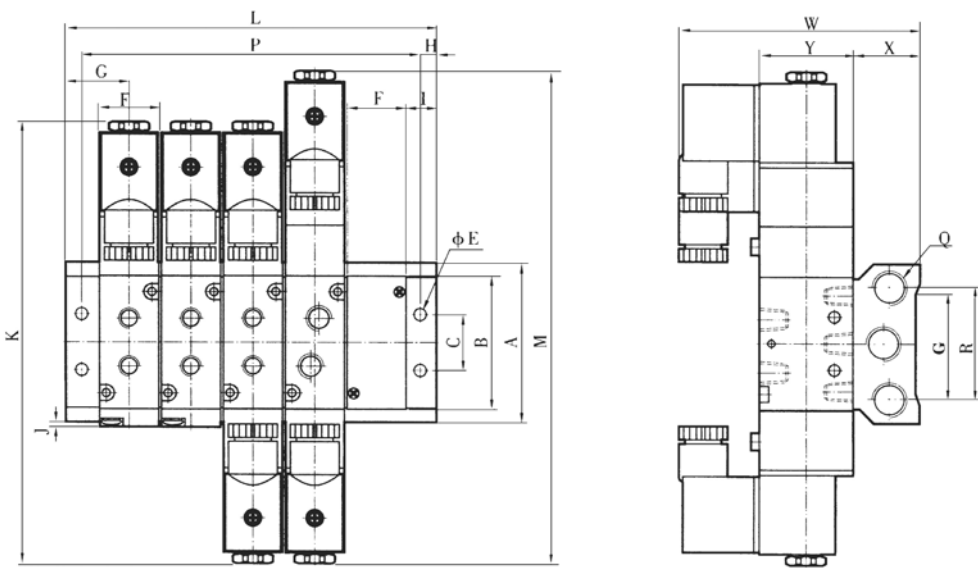
4V420



4V430



Dimensions(mm):



Type	A	B	C	E	F	G	H	I	J	K	L									
											1F	2F	3F	4F	5F	6F	7F	8F	9F	10F
100M □ F	58	43.2	20	4.2	18.3	19	5	9.9	0.8	139.4	38	57	76	95	114	133	152	171	190	209
200M □ F	61	50.7	21	4.3	22.4	23	6	11.8	1.2	170	46	69	92	115	138	161	184	207	230	253
300M □ F	75	64.8	26	4.5	27.3	27	6	13.4	2.5	188.8	54	82	110	138	166	194	222	250	278	306
400M □ F	104	94.5	32	5.5	34.3	31.5	7	18.4	5	221.8	71	98	133	168	203	238	273	308	343	378

Type	M	P										Q	R	S	W	X	Y
		1F	2F	3F	4F	5F	6F	7F	8F	9F	10F						
100M □ F	154.5	28	47	66	85	104	123	142	161	180	199	G1/4	40	30	78.5	25	27
200M □ F	189	34	57	80	103	126	149	172	195	218	241	G1/4	43	32	92.5	26	35
300M □ F	208	42	70	98	126	154	182	210	238	266	294	G3/8	53	48	99	30	40
400M □ F	243	57	84	119	154	189	224	259	294	329	364	G1/2	68	67	112	38	50



MAR10