

4V Series 2positions/5ways Solenoid Valve:



4V210-08



4V220-08



4V430C-15

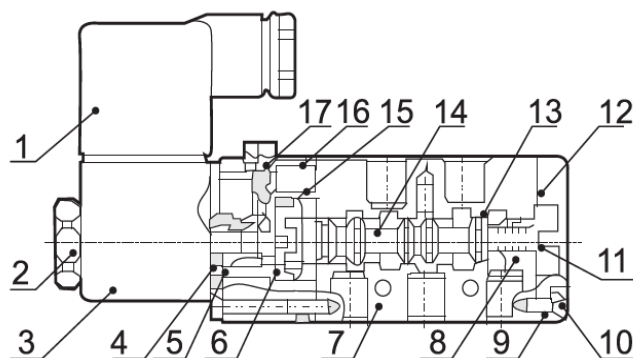
1.Ordering Code :

4V	2	10	-	08	-	AC220V
Solenoid Valve Type 4V: Two positions Five ways solenoid valve						
Body size 1: 100 series(M5, G1/8) 2: 200 series(G1/8,G1/4) 3: 300 series(G1/4,G3/8) 4: 400 series(G1/2)						
Coil and position 10: Single-head (single coil) for two positions 20: Double-head (double coils) for two positions 30C: Double-head (double coils) center close type for three positions 30E: Double-head (double coils) center exhaust type for three positions 30P: Double-head (double coils) center pressure type for three positions						
Connecting port size 06: G1/8 08: G1/4 M5: M5x0.8 10: G3/8 15: G1/2						
Voltage DC5V DC12V DC24V AC24V 50/60Hz AC110V 50/60Hz AC220V 50/60Hz AC380V 50/60Hz						

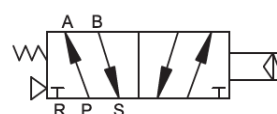
2.Characteristics:

- 1) The protection grade for this series solenoid valve is IP65.
- 2) Different voltages are available for coils.
- 3) Pressure unit: $1\text{kgf/cm}^2=1\text{bar}=0.1\text{MPa}=100\text{KPa}=14.5\text{psi}$
- 4) Lead wire type is available, please remind when you order.
- 5) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

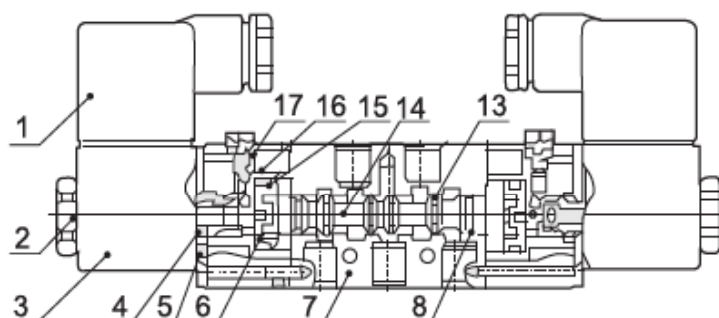
3.Internal Structure:



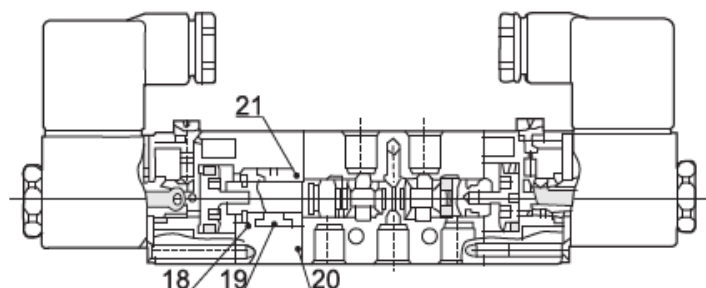
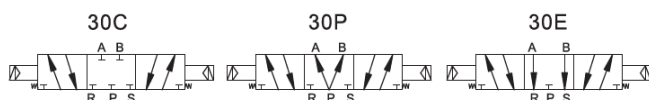
Single-Head Type
(4V110~4V410)



Double-Head Type
(4V120~4V420)



Double-Head Type
(4V130~4V430)



No.:	Designation	No.:	Designation	No.:	Designation
1.	Connector	8.	Wearing	15.	O ring
2.	Nut	9.	End cap	16.	Spring
3.	Coil	10.	Screw	17.	Pin
4.	Active amature	11.	Spring	18.	Spring seat
5.	Steel part	12.	Sealing ring	19.	Spring
6.	Piston	13.	O ring	20.	Side cover
7.	Valve body	14.	Spool	21.	Spring seat

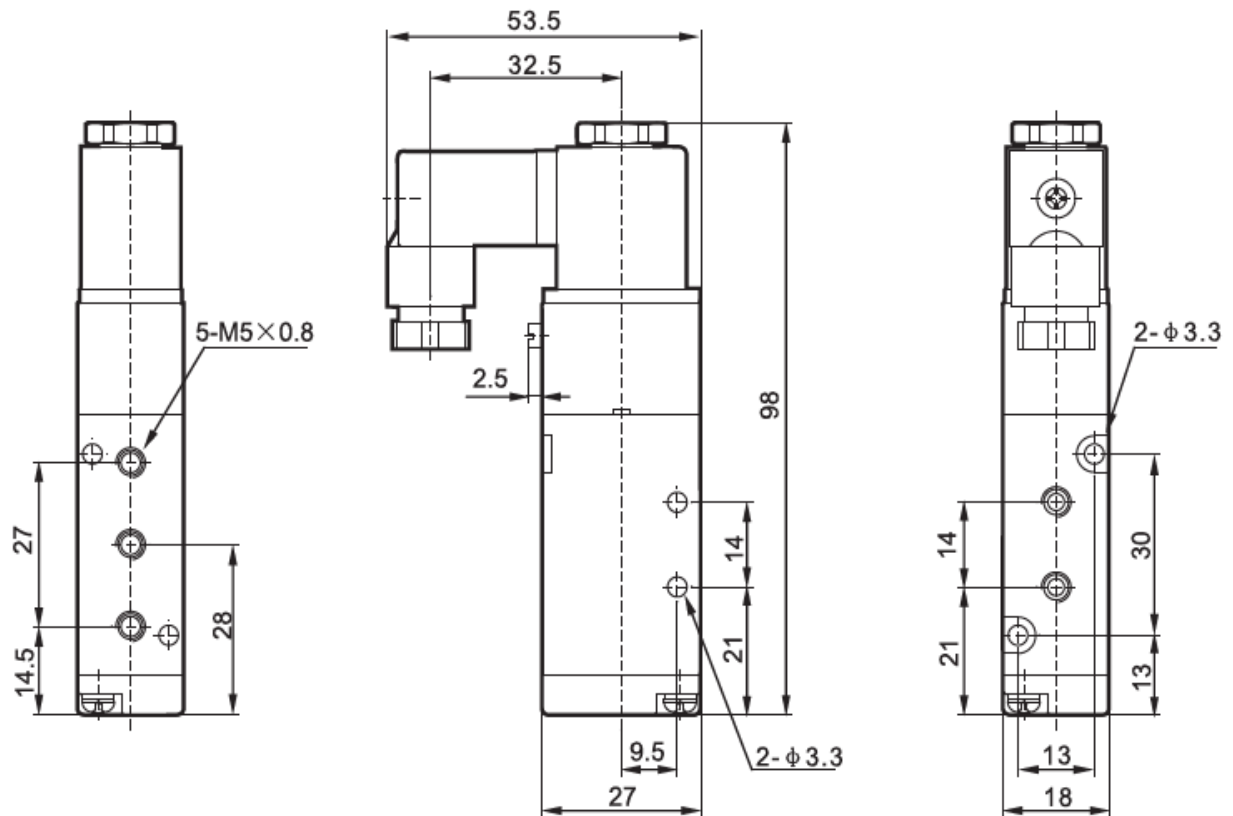
4.Specification:

Model	Acting head	4V100 Series		4V200 Series		4V300 Series		4V400 Series
	Single head	4V110-M5	4V110-06	4V210-06	4V210-08	4V310-08	4V310-10	4V410-15
	Double head	4V120-M5	4V120-06	4V220-06	4V220-08	4V320-08	4V320-10	4V420-15
	Center close	4V130C-M5	4V130C-06	4V230C-06	4V230C-08	4V330C-08	4V330C-10	4V430C-15
	Center exhaust	4V130E-M5	4V130E-06	4V230E-06	4V230E-08	4V330E-08	4V330E-10	4V430E-15
	Center pressure	4V130P-M5	4V130P-06	4V230P-06	4V230P-08	4V330P-08	4V330P-10	4V430P-15
Applicable medium		≤40μ Filtered Air						
Motion pattern		Inner guide type						
Working pressure		0.15~0.8 MPa						
Proof Pressure		1.2MPa						
Temperature range		NBR: 5℃~50℃						
Port size		M5x0.8	G1/8	G1/8	G1/4	G1/4	G3/8	G1/2
Effective section area (mm ²)		10	12	14	16	25	30	50
Cv Value		0.56	0.67	0.78	0.89	1.4	1.68	2.79
Available Voltage		DC5, DC12V,DC24V,AC24V,AC36V,AC110V,AC220V,AC380V						
Power consumption		AC220V:2W, AC110V:2.5W,AC24V:3.5W,DC24V:3W,DC12V:2.5W						
Voltage range		±10%						
Material of body		Aluminum alloy						
Highest action frequency		5 cycles/second						
Shortest excitation time		0.05 s						
Sealing material		NBR or VITON						

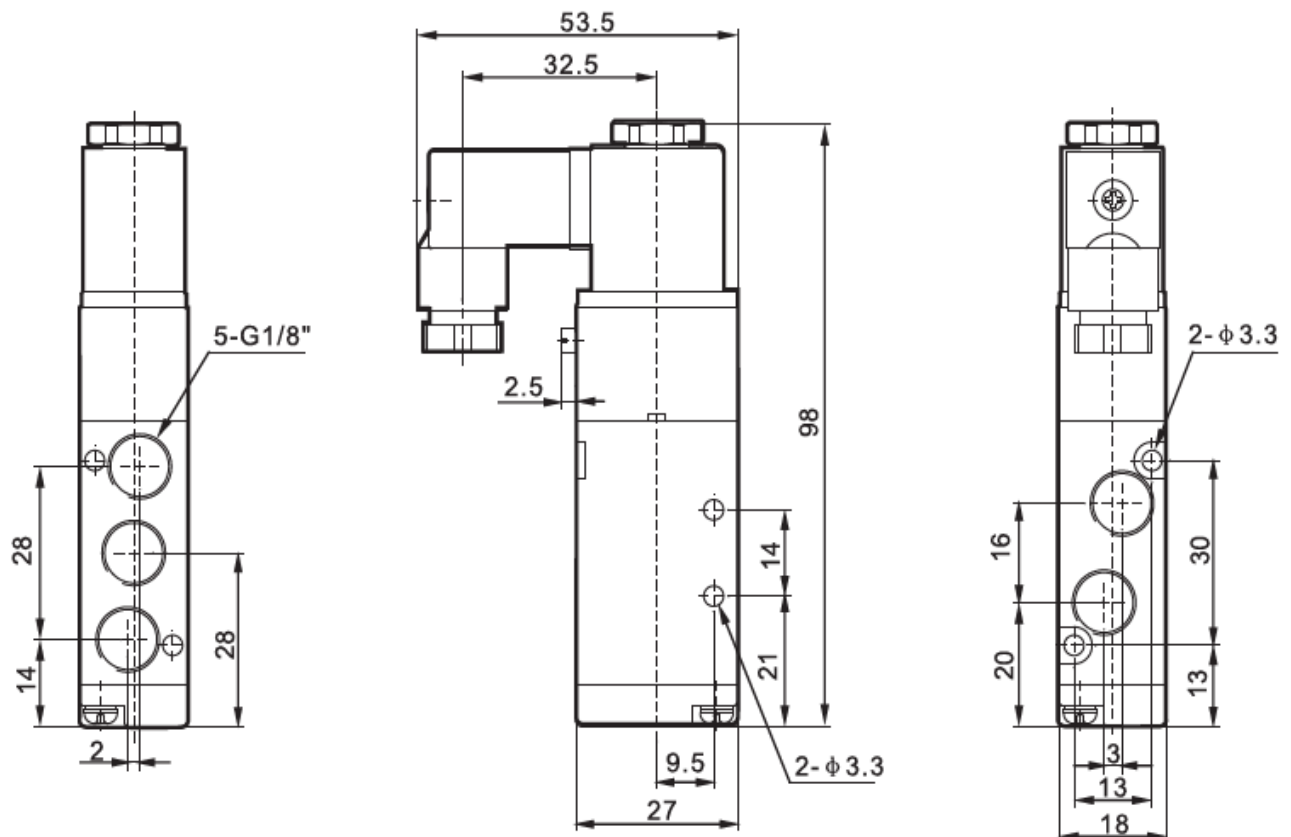
* 1 kgf/cm² = 1 bar = 0.1 Mpa = 100KPa = 14.5psi

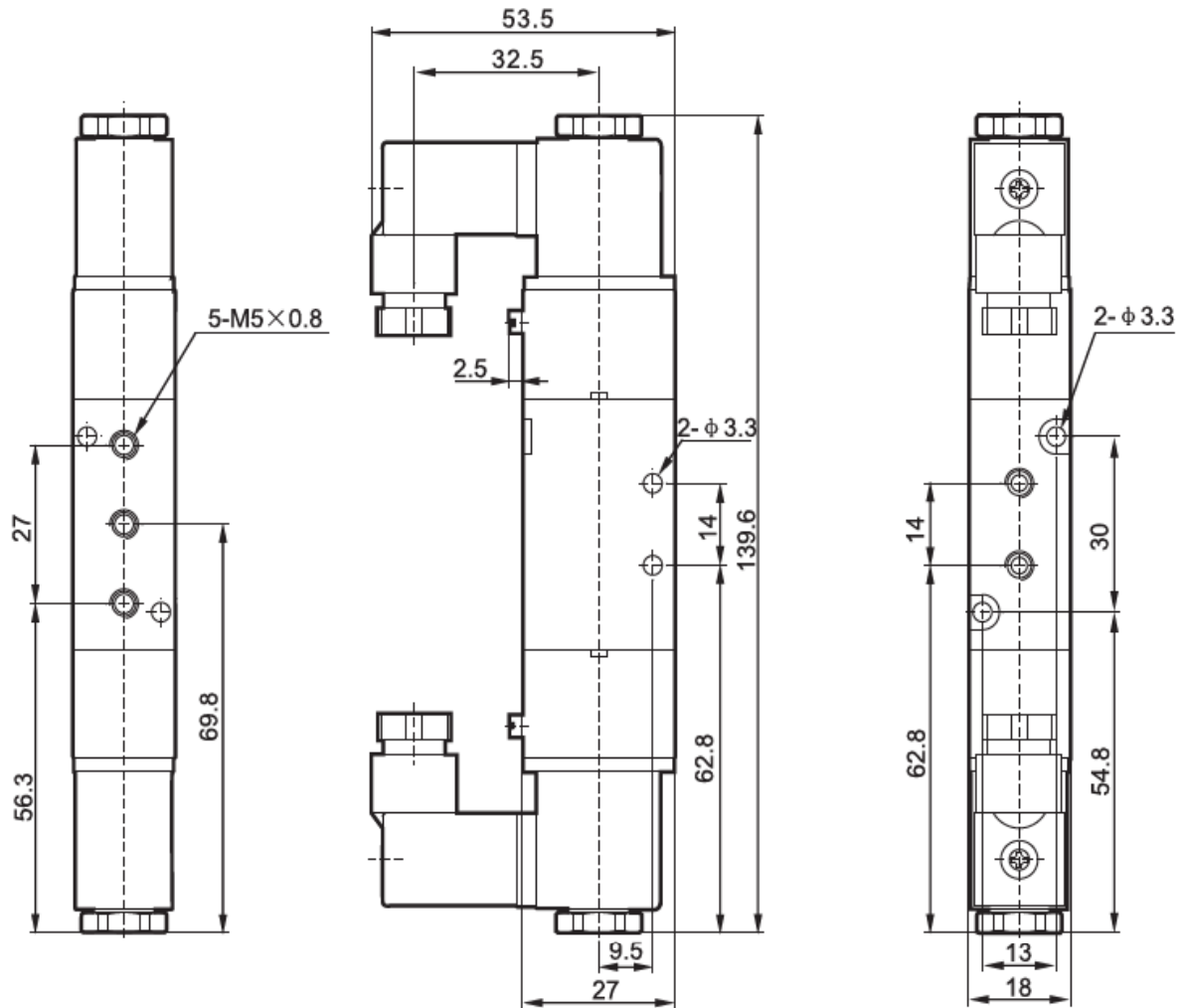
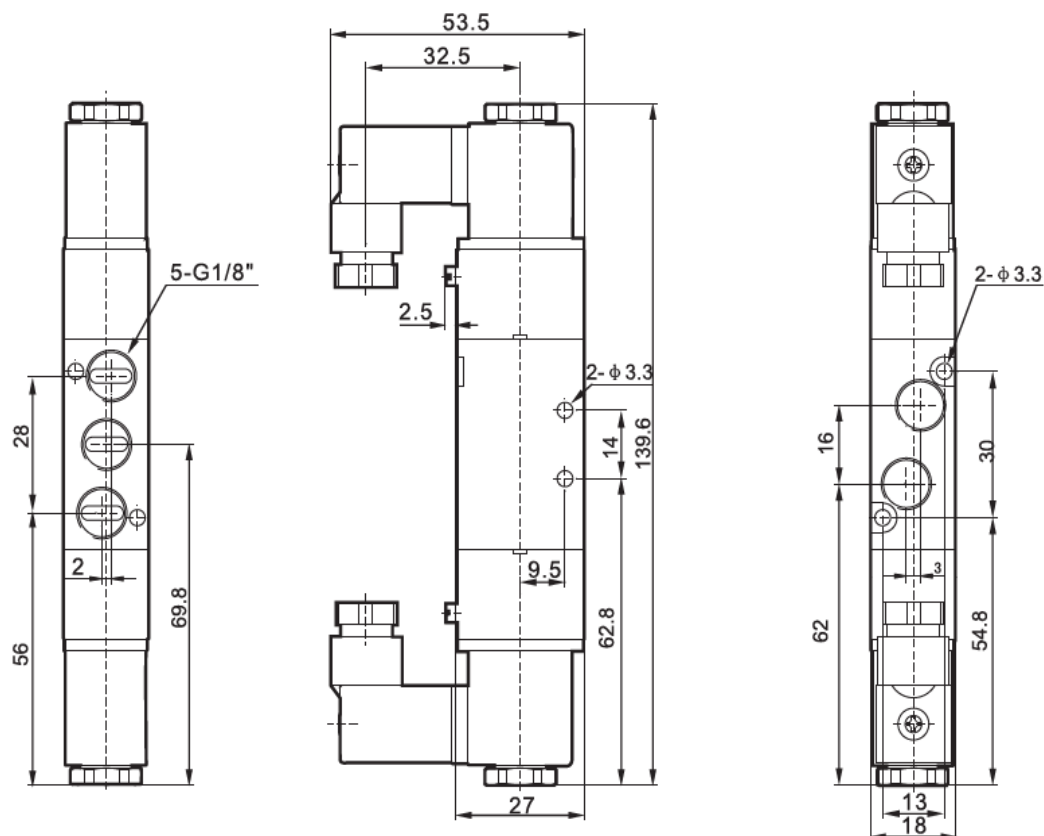
5. Overall and Dimension Sheet:

4V110-M5

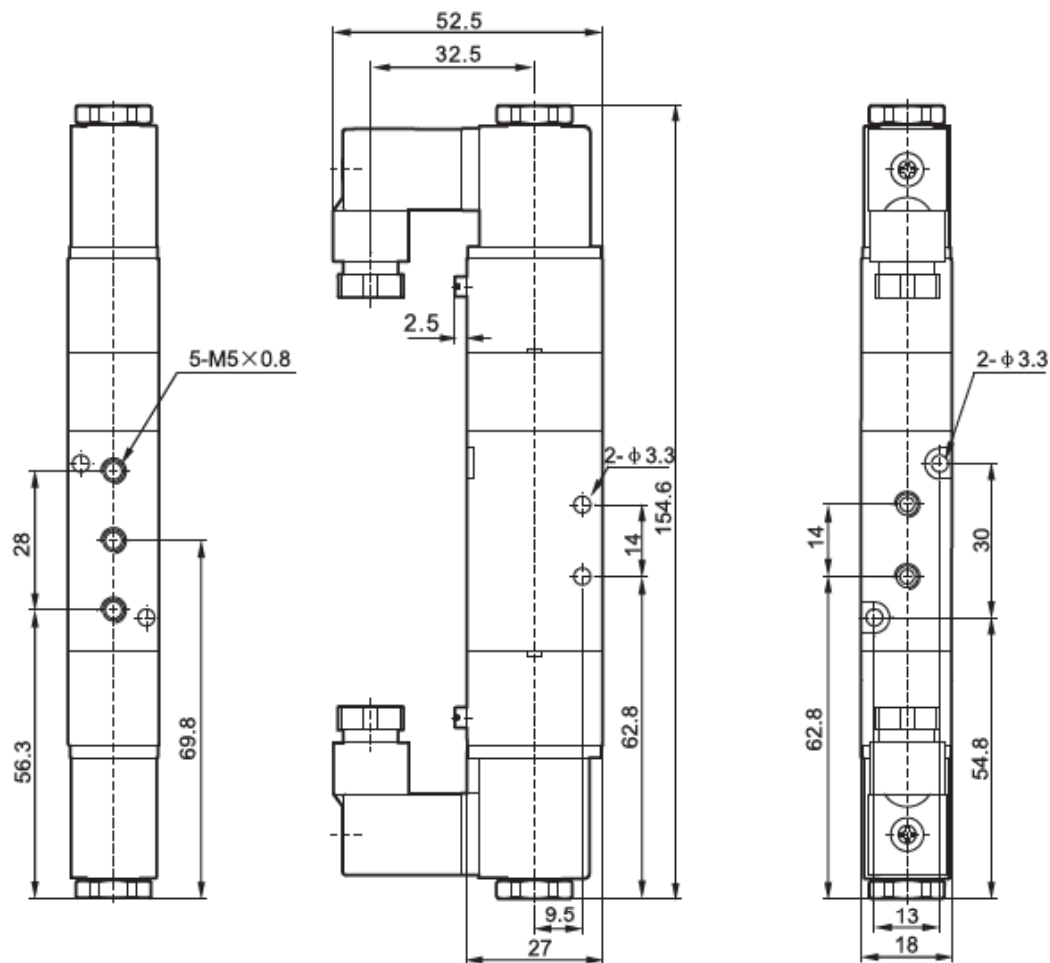


4V110-06

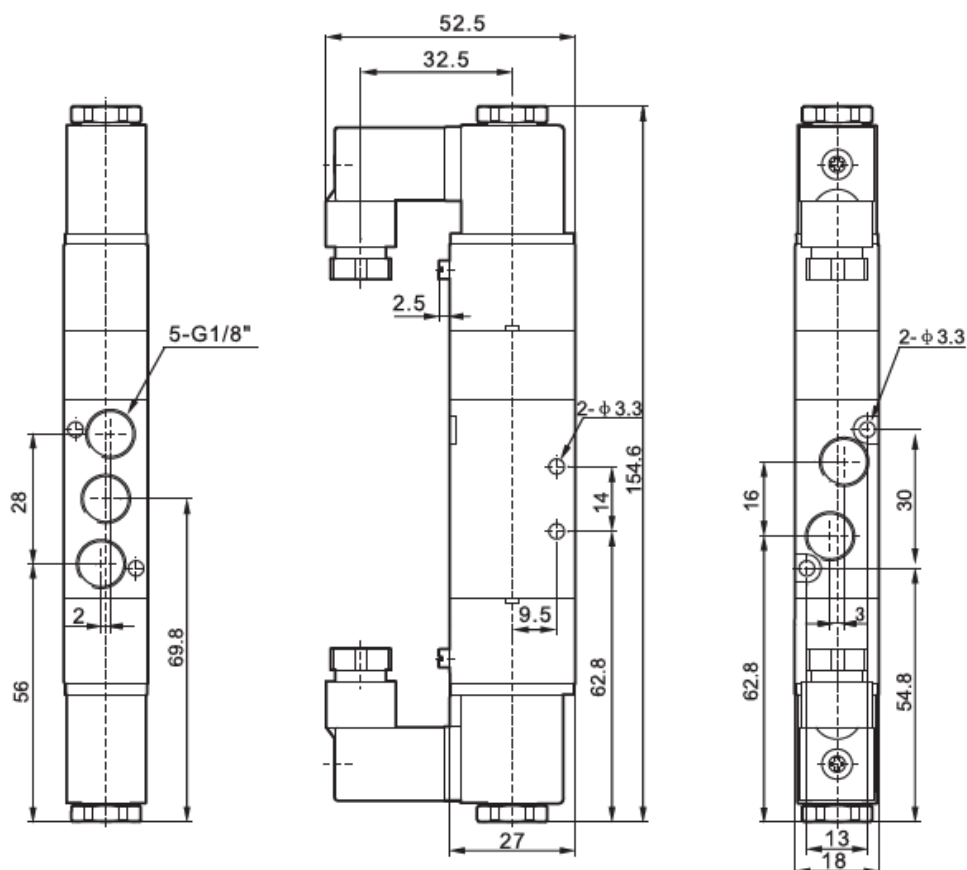


4V120-M5

4V120-06


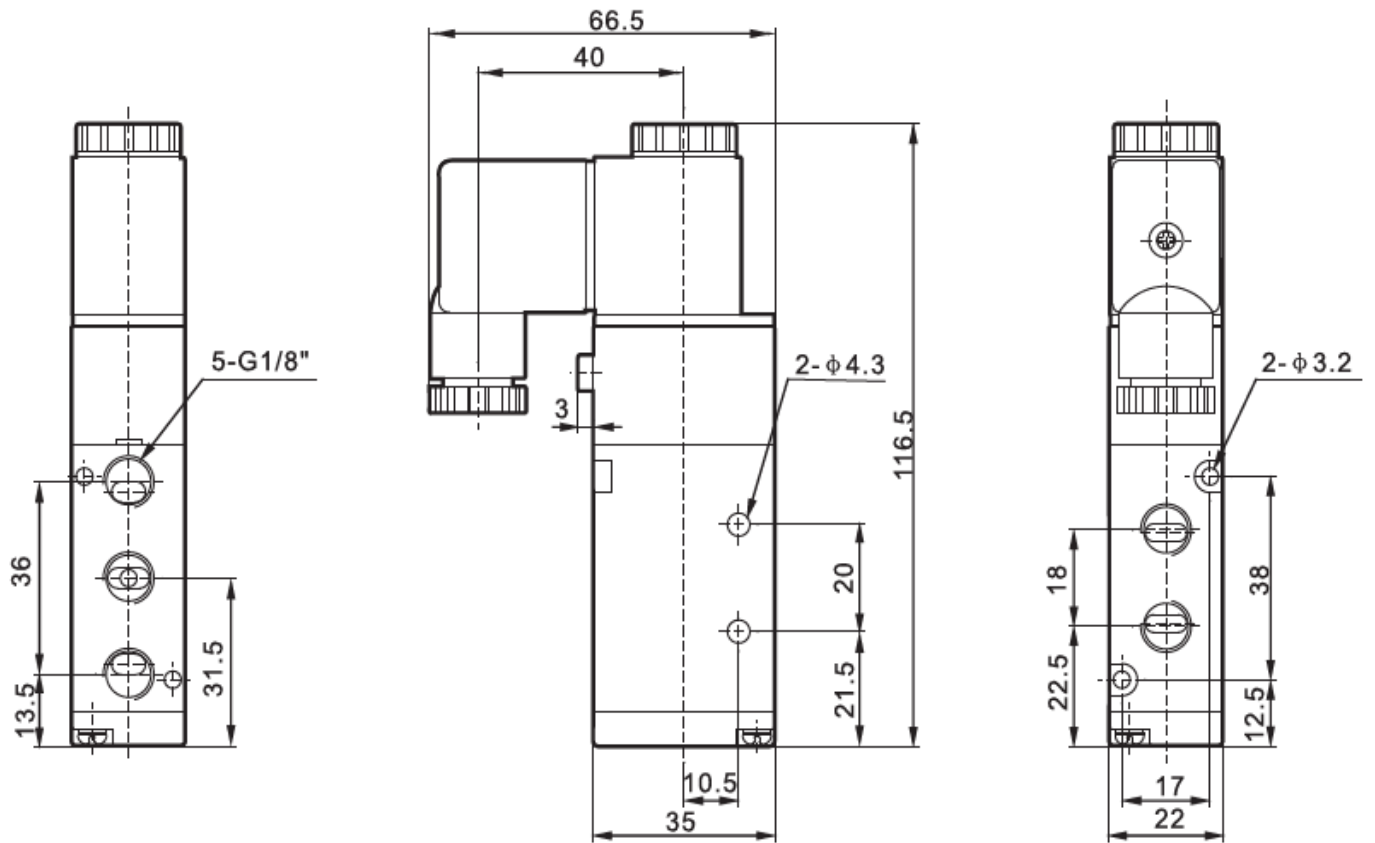
4V130C-M5



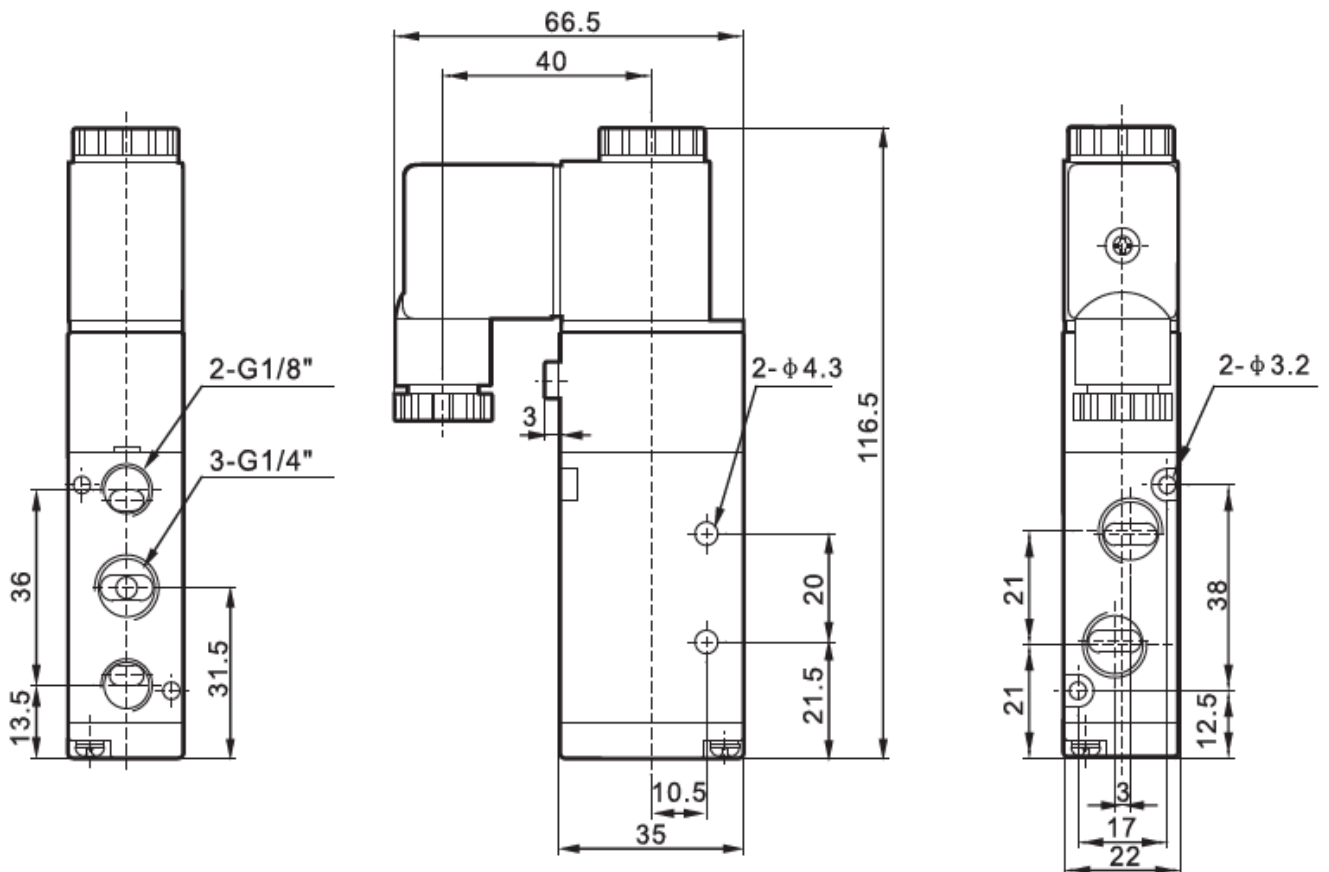
4V130C-06



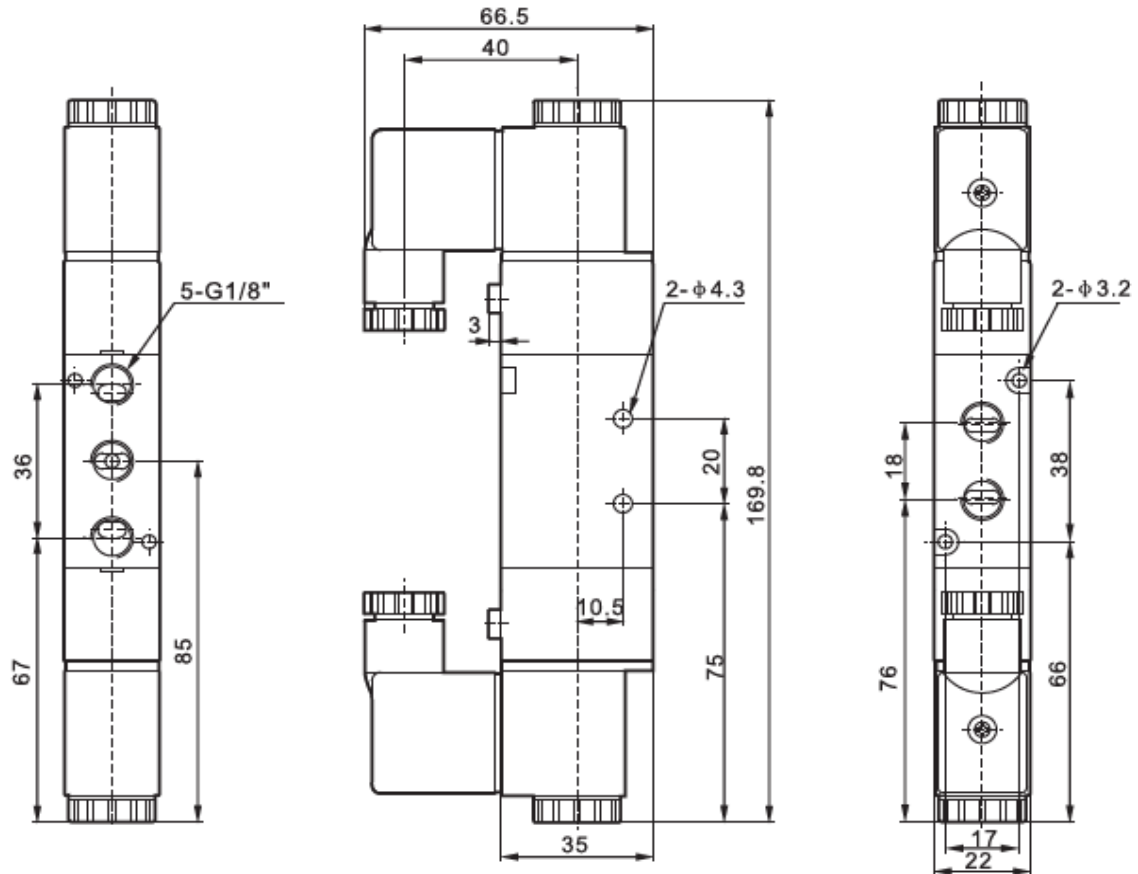
4V210-06



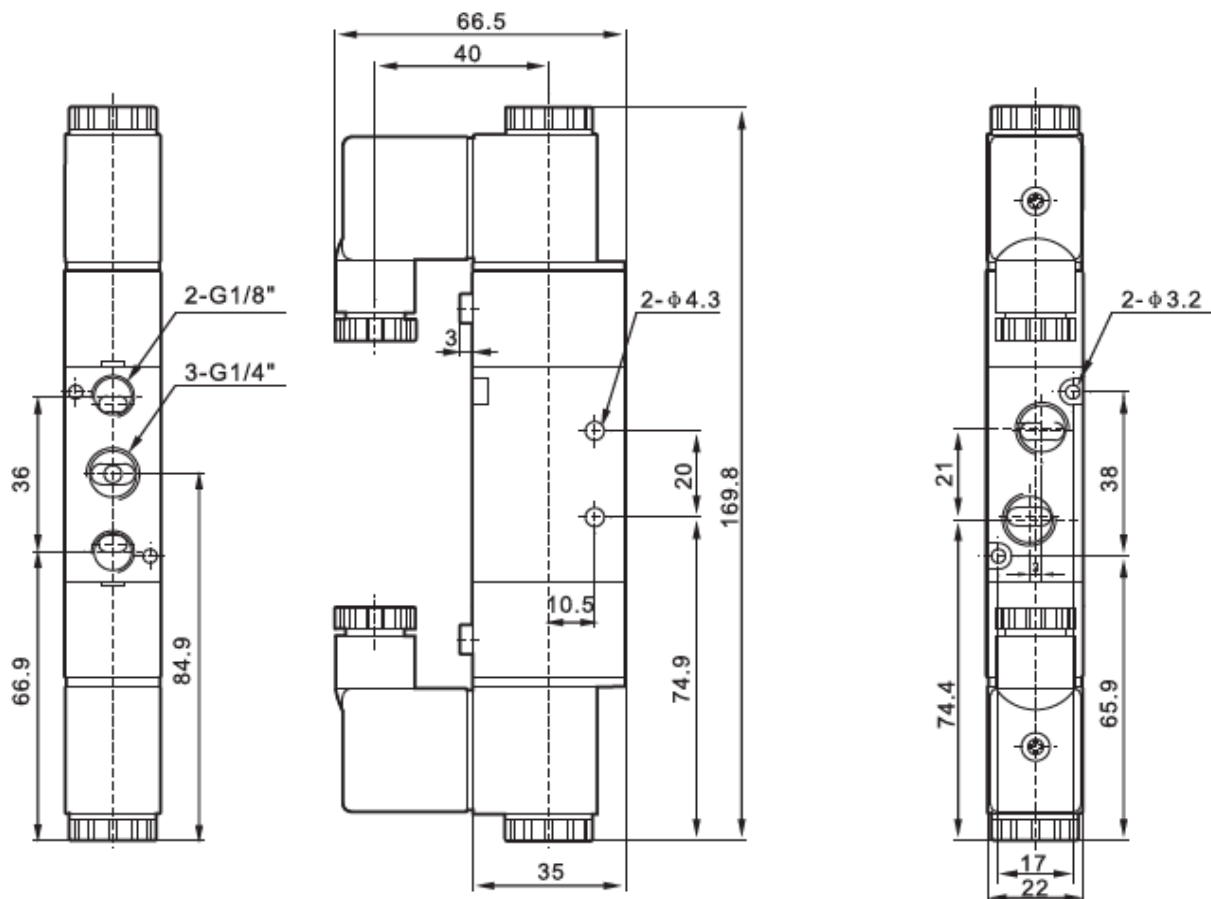
4V210-08

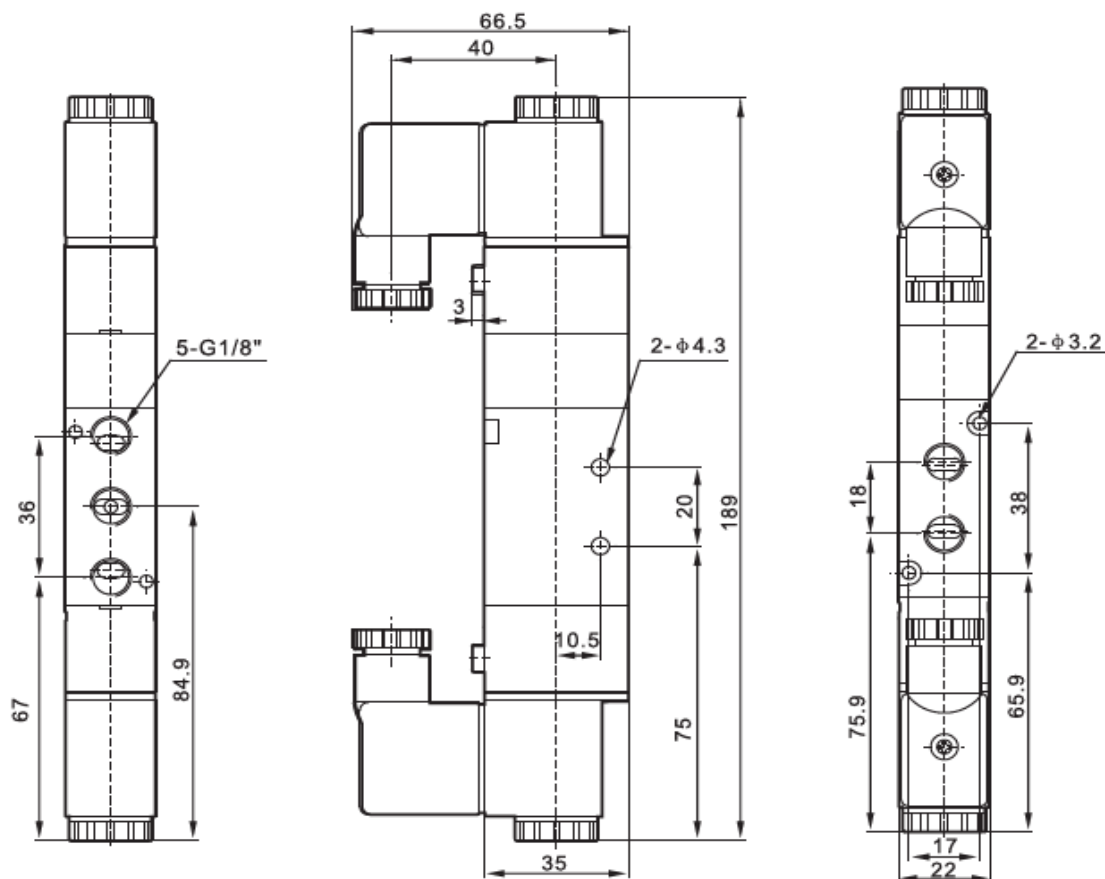
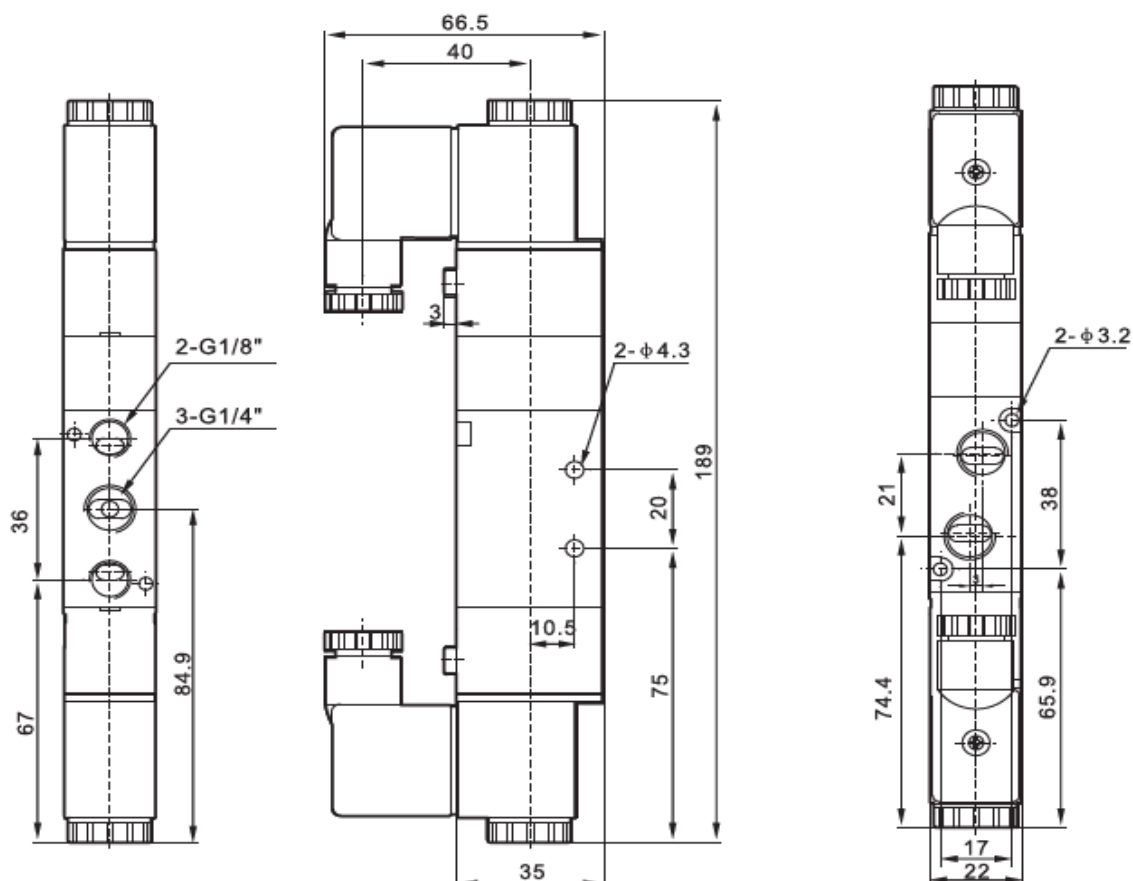


4V220-06

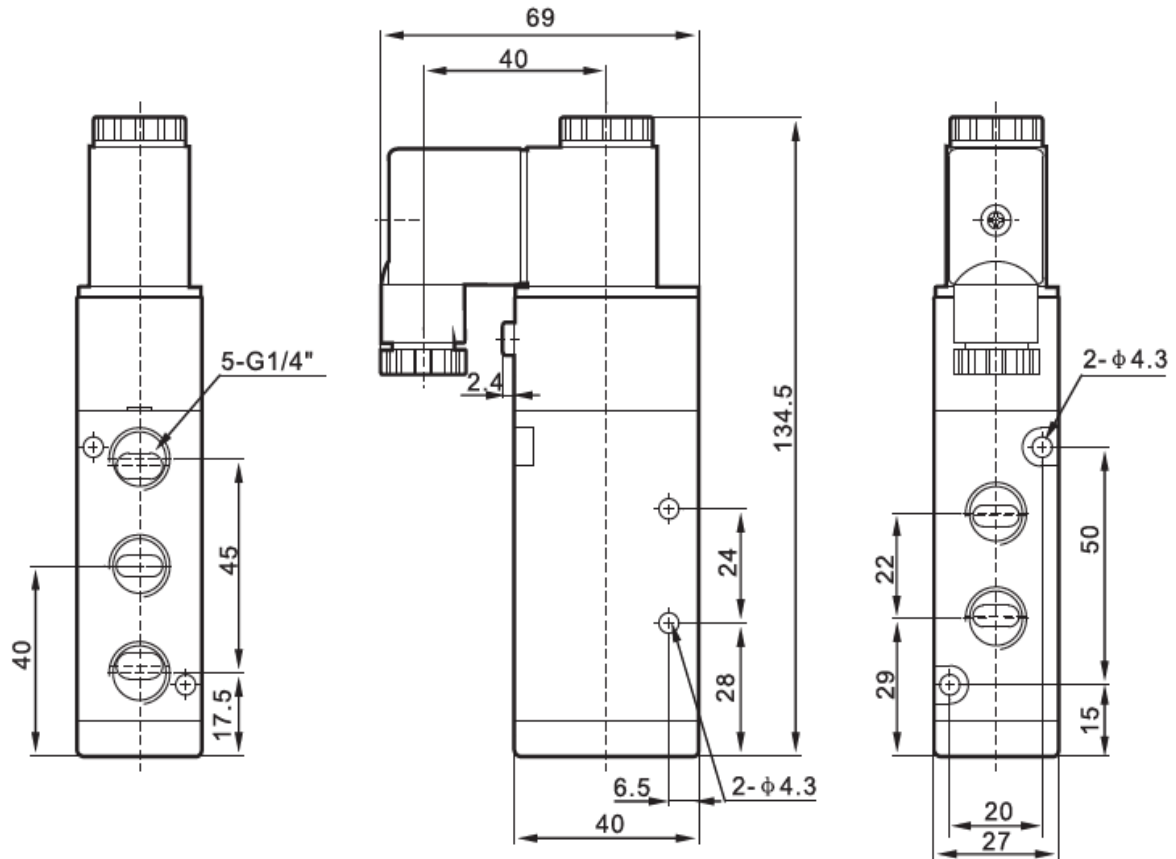


4V220-08

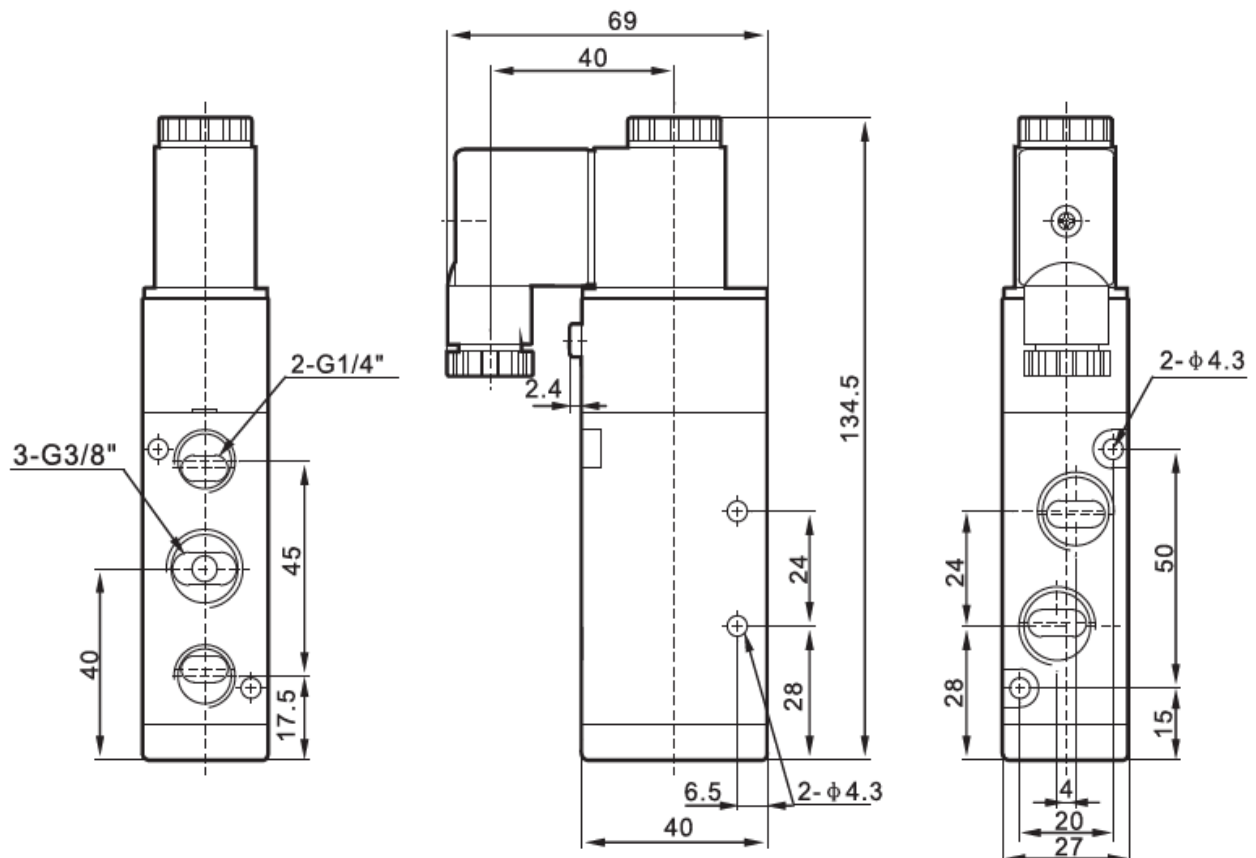


4V230C-06

4V230C-08


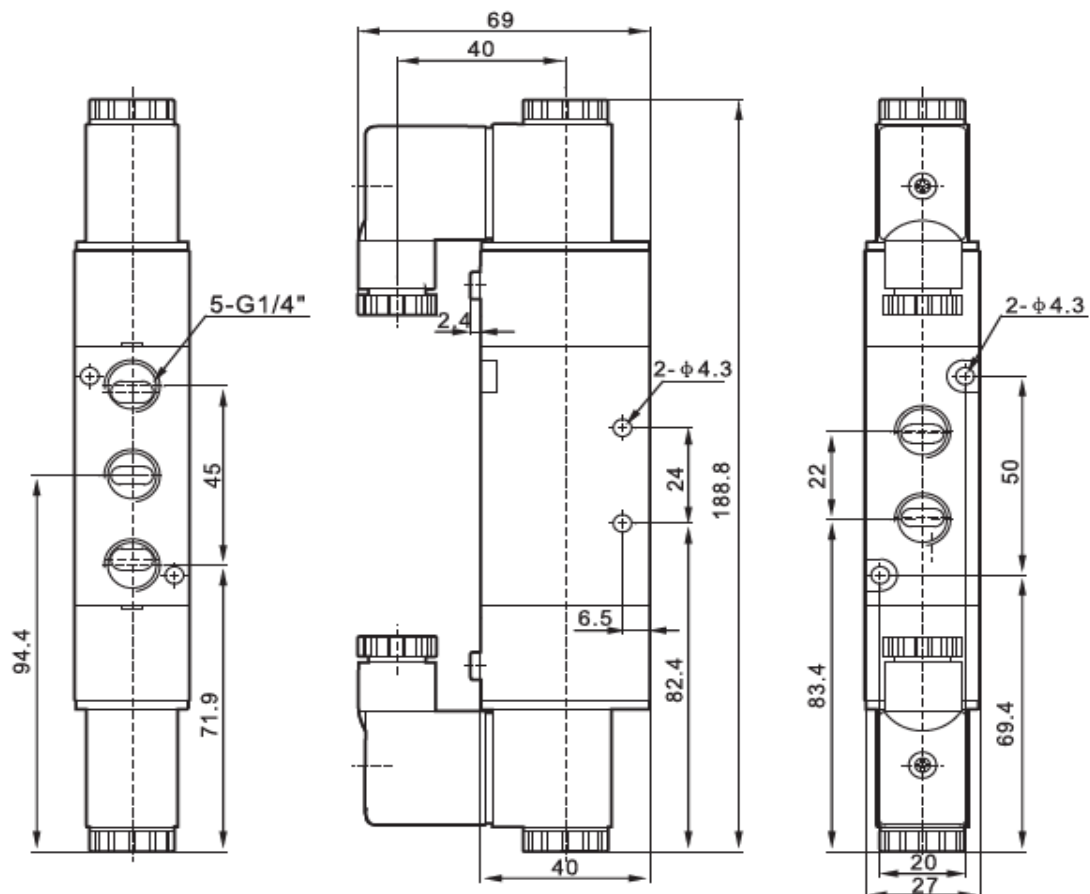
4V310-08



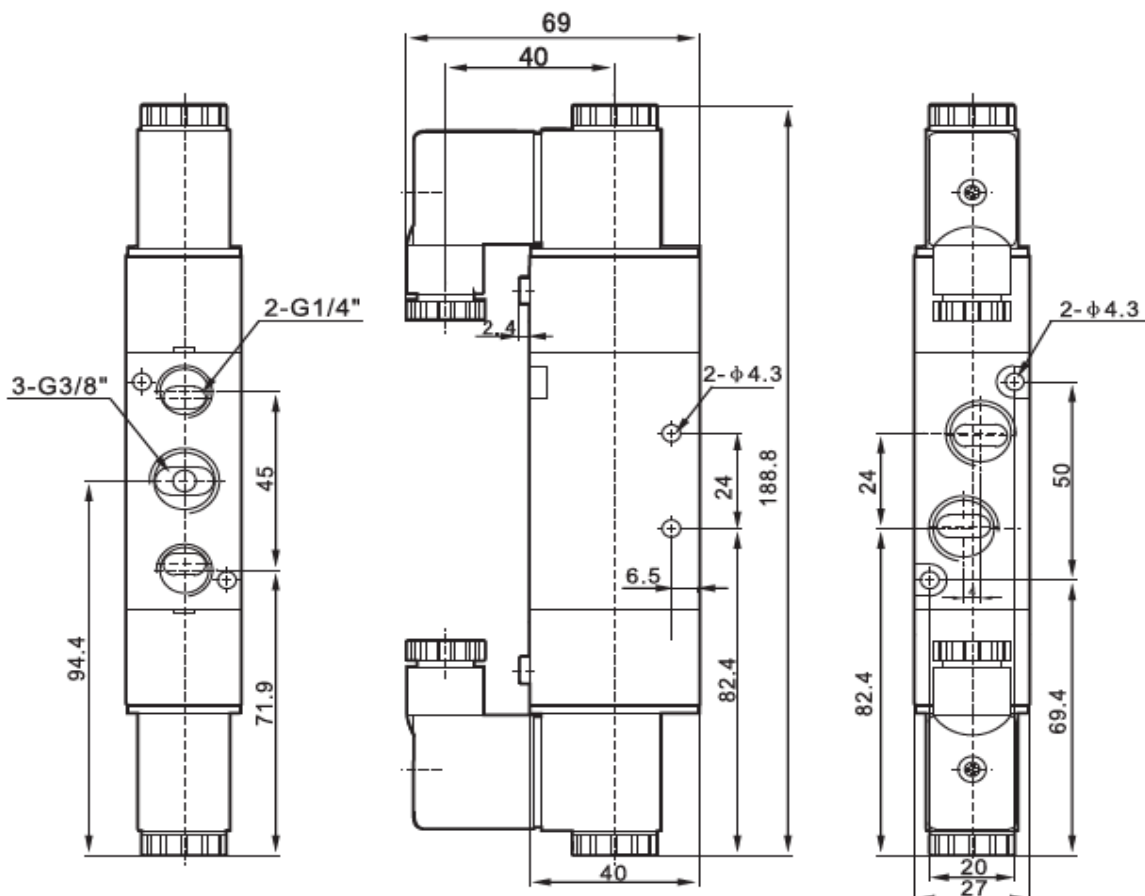
4V310-10



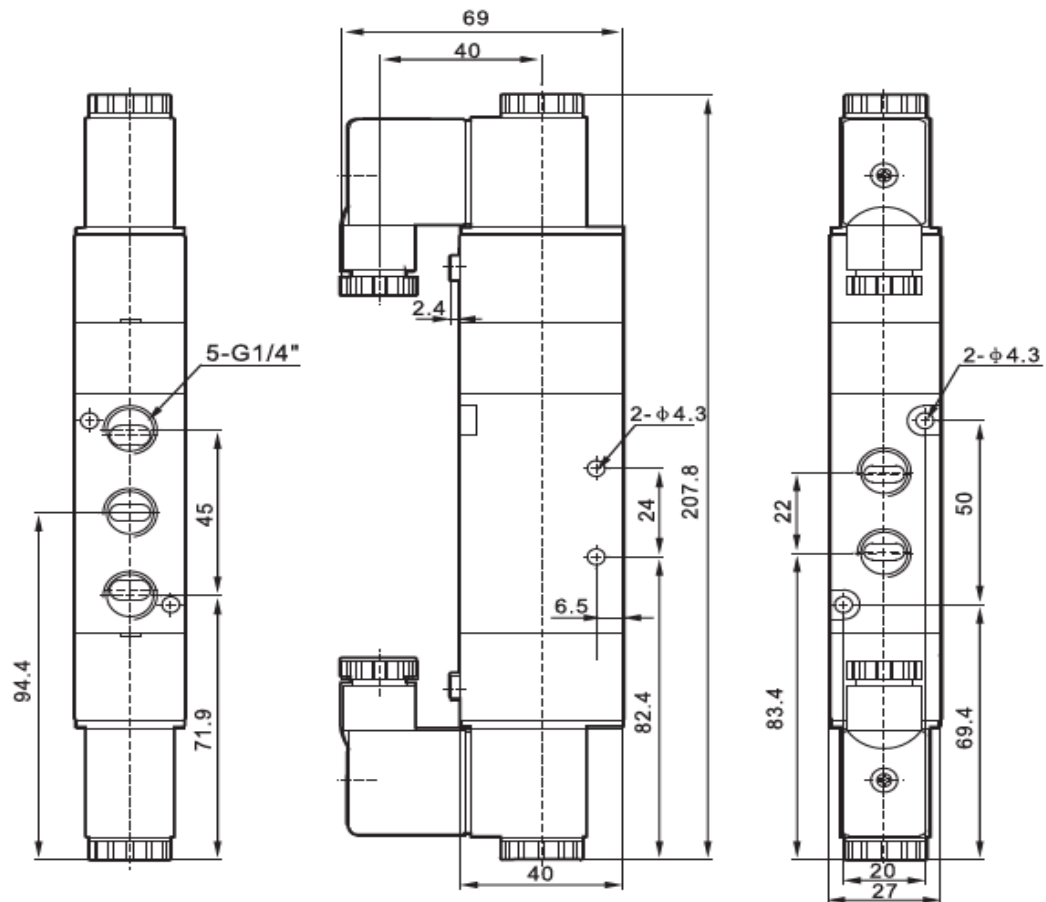
4V320-08



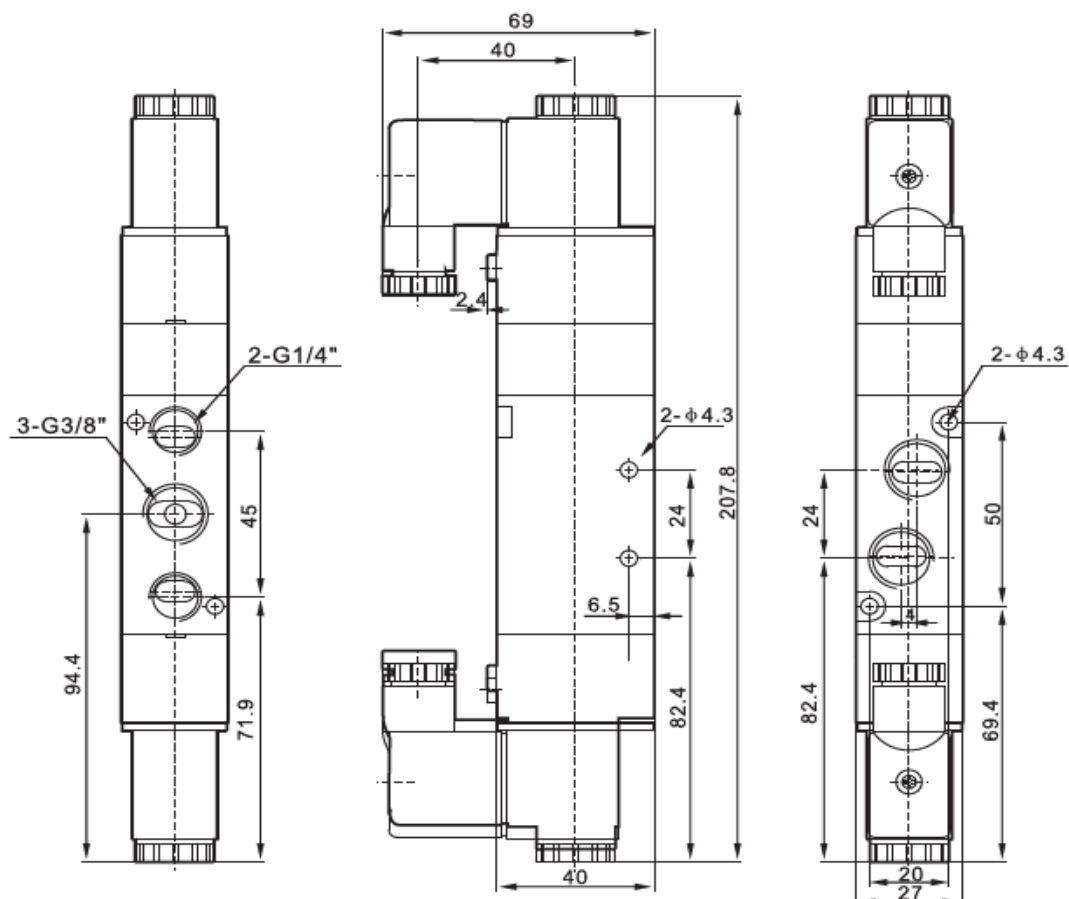
4V320-10



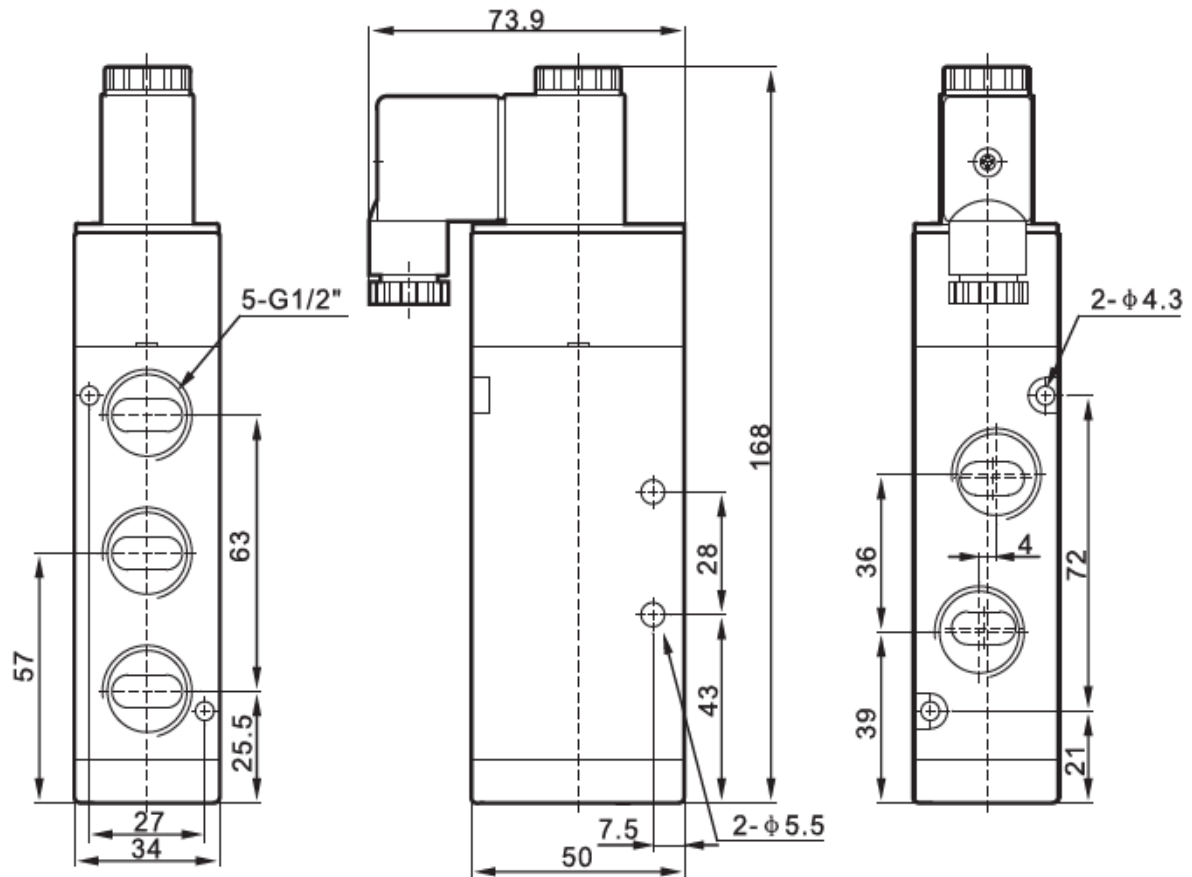
4V330C-08



4V330C-10



4V410-15



**4V420-15
4V430C-15**

