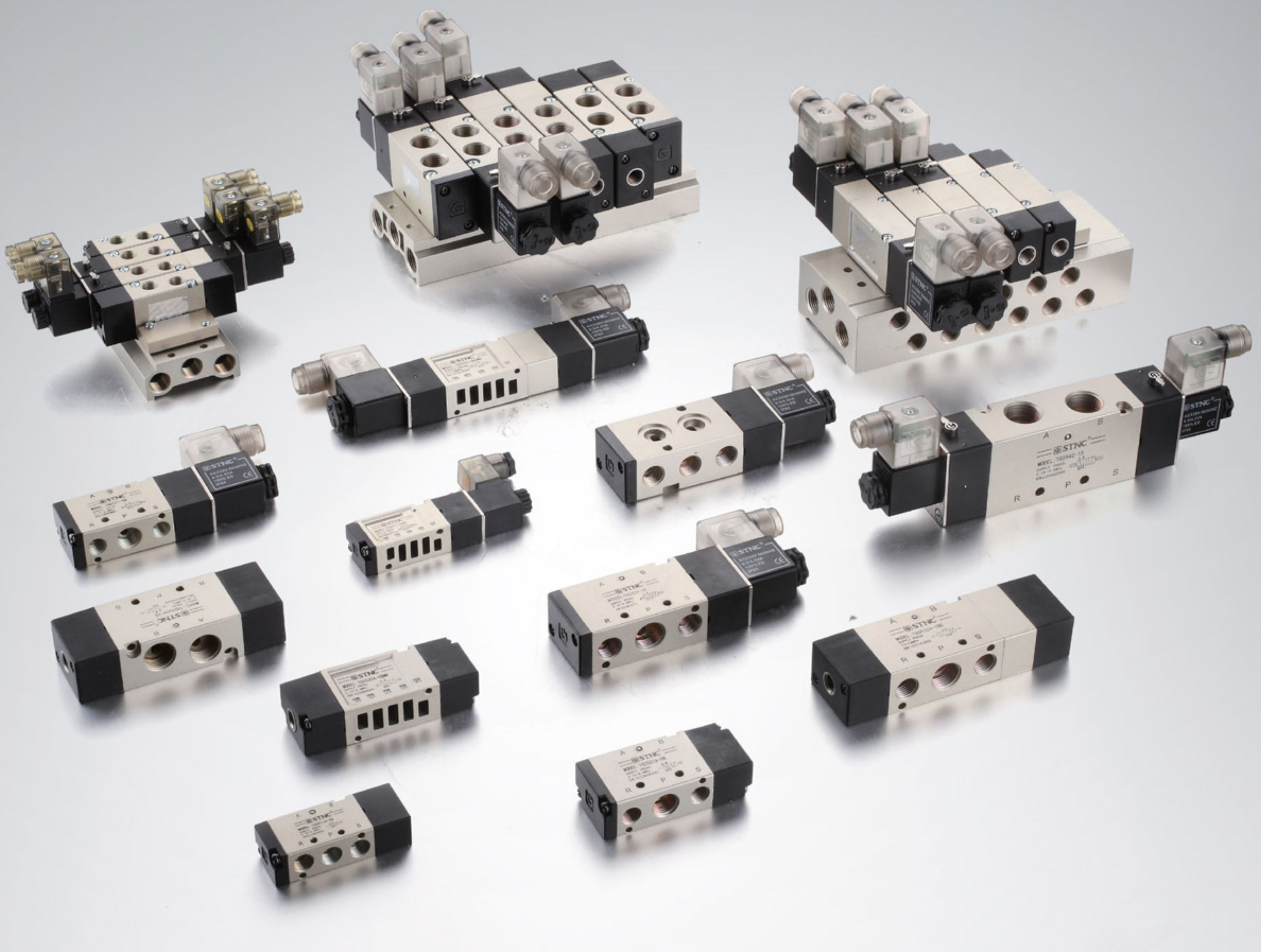
STNC®



TG Series Solenoid Valve

Character

It is a pneumatic valve controlled by micro electric signal, with small dimension, large fl ow, handsome shape,reliable performance and long service life. It can be installed in the integration. It is an ideal directional control element, applicable to the electromechanical integration.There are multiple Specifications cations for your choice.

Ordering Code

TG — 25 — 1 — 1 — 06 — C — AC220V

- **TG**: Series
- **25**: Function
  - 23 : 2 positions/3 Ports
  - 25 : 2 positions/5 Ports
  - 35 : 3 positions/5 Ports
- **1**: Connection Code
  - 1 : 1/8
  - 2 : 1/4
  - 3 : 3/8
  - 4 : 1/2
- **1**: Control Form
  - 1 : Single solenoid operated
  - 2 : Double solenoid operated
- **06**: Pipe size
  - 06 : G1/8
  - 08 : G1/4
  - 10 : G3/8
  - 15 : G1/2
- **C**: Working mode
  - No mark : 2 positions
  - C : Close center
  - E : Release center
  - P : Pressed Center
- **AC220V**: Standard voltage
  - DC24V
  - AC110V
  - AC220V

Solenoid specifications

Allowable Voltage Range		±10%
Insulated Grade		Class B or Equivalent
Response Time		0.05 Sec
Power Consumption	AC	Start : 5.6VA, Keep on : 5.4VA
	DC	4W
Surge Voltage Suppressor		AC:Varistor, DC:Diode
Indicator Light		Neon Light、LED

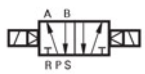
Maintenance Notice:

1.Be sure to check up the valve before installation.
2.Before installation, please confi rm the voltage connection and airflow direction are right.
3.Notice to do dustproof. It' s best to install a silencer or speed control silencer in the port of solenoid valve.
4.Metallic particle, dust and oil stain in pipes and fi ttings must be Eliminated before connected.

Technical Parameter

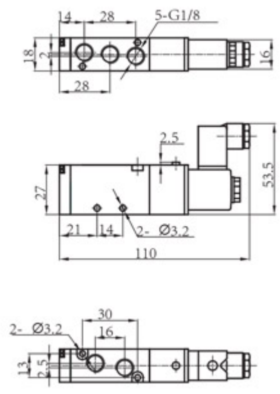
Specification \ Item	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TG2311-06	2 Positions 3Ports	G1/8	4	Air	0.15～0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5～60°C	AC220V (4VA) DC24V (2.6W)
TG2511-06 TG2512-06	2 Positions 5 Ports									
TG3512-06C.E.P	3 Positions 5 Ports		3.5		0.2～0.8MPa		3 Cycles/Sec			
TG2321-08	2 Positions/3Ports	G1/4	4.5		0.15～0.8 MPa		5 Cycles/Sec			AC220V (5VA) DC24V (4.8W)
TG2331-10		G3/8	6.5							
TG2341-15		G1/2	8							
TG2521-08 TG2522-08	2 Positions/5Ports	G1/4	4.5							
TG2531-10 TG2532-10		G3/8	6.5							
TG2541-15 TG2542-15		G1/2	8							
TG3522-08C.E.P	3 Positions/5Ports	G1/4	4		0.2～0.8 MPa		3 Cycles/Sec			
TG3532-10C.E.P		G3/8	5							
TG3542-15C.E.P		G1/2	6.5							

2 Positions/5 Ports Solenoid Valve

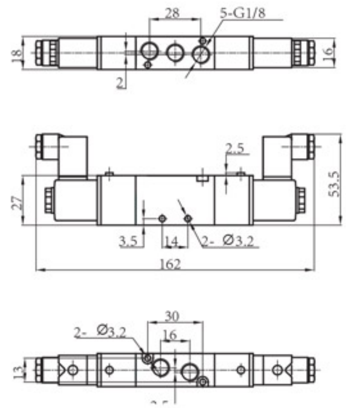


- TG2511—06
- TG2512—06

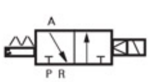
TG2511—06



TG2512—06

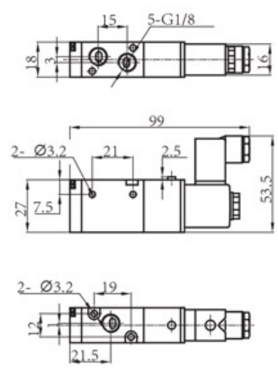


2 Positions/3 Ports Solenoid Valve

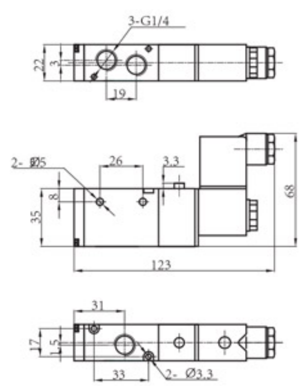


- TG2311—06
- TG2321—08

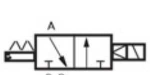
TG2311—06

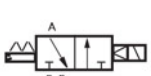


TG2321—08



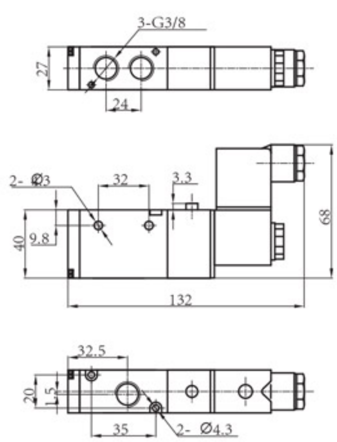
2 Positions/3 Ports Solenoid Valve





- TG2331—10
- TG2341—15

TG2331—10



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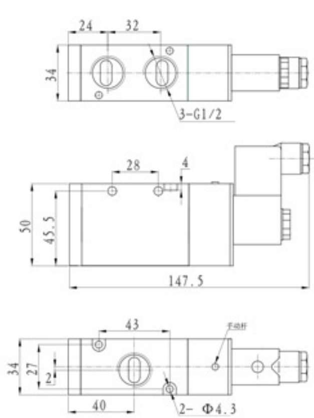

2 Positions/5 Ports Solenoid Valve

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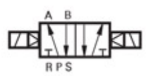
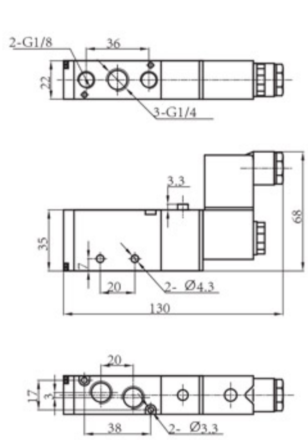
TG2521–06

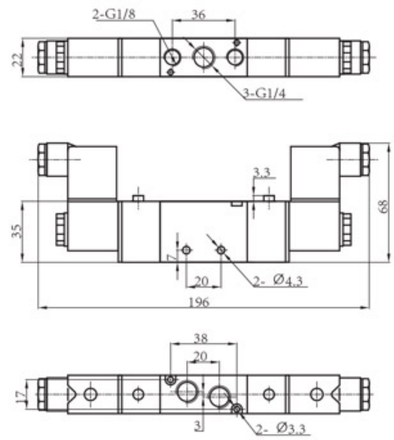


● TG2522–08
TG2522–06

● TG2521–08



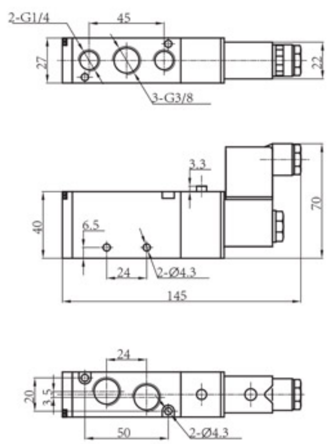
● TG2522–08



● TG2531–10
TG2531–08

● TG2532–10
TG2532–08

● TG2531–10



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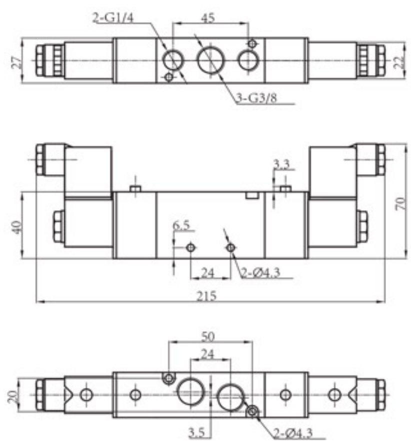
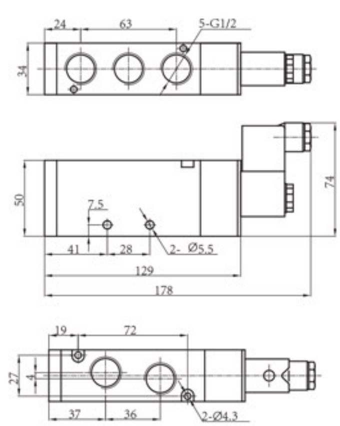


● TG2541–15

● TG2542–15

● TG2541–15



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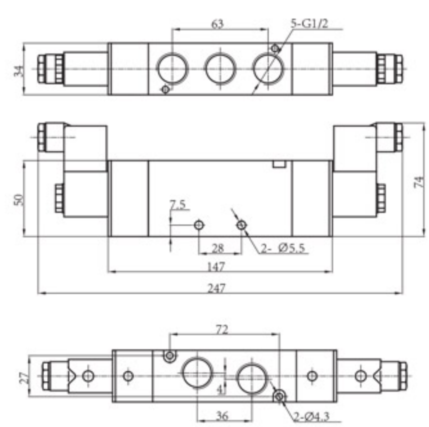
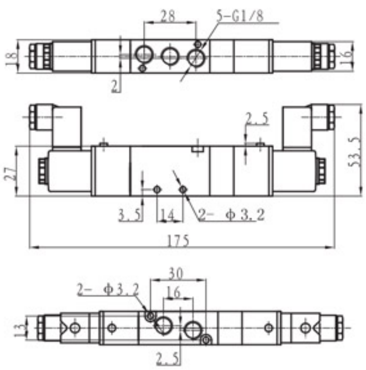
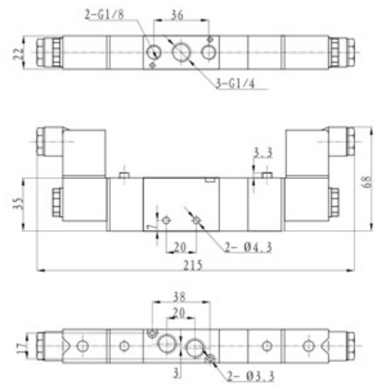


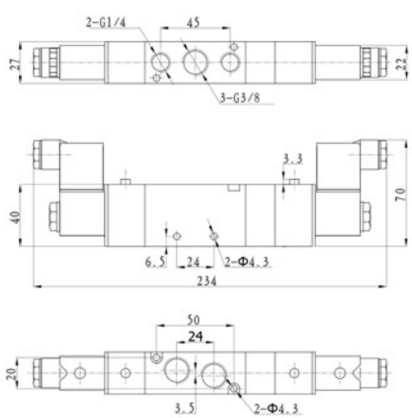
3 Positions/5 Ports Solenoid Valve

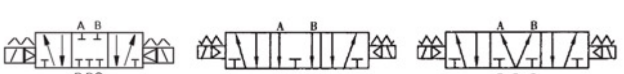


● TG3512–06C ● TG3512–06E ● TG3512–06P

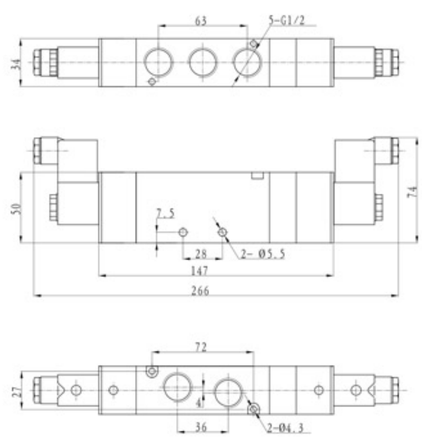


● TG3522–08C ● TG3522–08E ● TG3522–08P



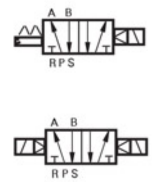


● TG3532–10C ● TG3532–10E ● TG3532–10P



● TG3542–15C ● TG3542–15E ● TG3542–15P

2 Positions/5 Ports Namur Solenoid Valve



- TG2521-06M
- TG2521-08M
- TG2522-06M
- TG2522-08M
- TG2531-08M
- TG2531-10M
- TG2532-08M
- TG2532-10M
- TG2541-10M
- TG2541-15M
- TG2542-10M
- TG2542-15M

Ordering Code

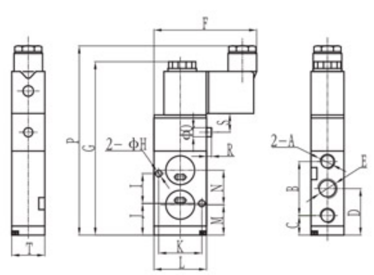
TG 25 2 1 — 08 M AC220V

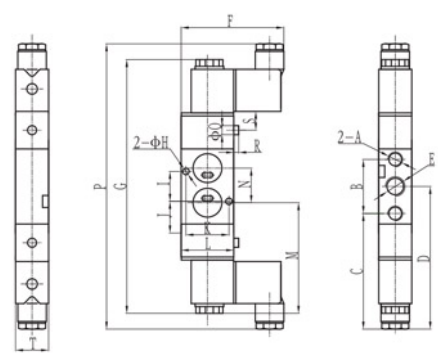
- **TG** Series
- **25** Function: 25: 2 Positions/5Ports
- **2** Connection Code: 2: 1/4; 3: 3/8; 4: 1/2
- **1** Control Form: 1: Single Solenoid Operated; 2: Double Solenoid Operated
- **08** Pipe Size: 08: G1/4; 10: G3/8; 15: G1/2
- **M** Installation Way: M: Namur Solenoid Valve
- **AC220V** Standard Voltage: DC24V; AC110V; AC220V

Technical Parameter

Specification \ Item	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TG2521-06M TG2522-06M	2 Positions/5Ports	G1/8	4	Air	0.15 ~ 0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5 ~ 60°C	AC220V: 5VA DC24V: 4.8W
TG2521-08M TG2522-08M		G1/4	4.5							
TG2531-08M TG2532-08M		G1/4	4.5							
TG2531-10M TG2532-10M		G3/8	6.5							
TG2541-10M TG2542-10M		G3/8	6.5							
TG2542-15M TG2542-15M		G1/2	8							

Figure Dimension





Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T
TG2521-06M/08M	G1/8/G1/4	36	13.7	31.7	G1/4	66.5	119	4.3	20	21.7	29	35	20.2	23	130	4	1	11	22
TG2522-06M/08M	G1/8/G1/4	36	67	85	G1/4	66.5	176	4.3	20	75	29	35	73.5	23	196	4	1	11	22
TG2531-08M/10M	G1/4/G3/8	45	17	39.5	G3/8	69	138	5.2	24	27.5	32	40	29	24	145	4	1	11	27
TG2532-08M/10M	G1/4/G3/8	45	72	94.5	G3/8	69	195	5.2	24	83.75	32	40	82.5	24	215	4	1	11	27
TG2541-10M/15M	G3/8/G1/2	63	22.5	52	G1/2	75	166	5.5	32	38	42	50	35.5	37	178	4	1	11	34
TG2542-10M/15M	G3/8/G1/2	63	77	112.5	G1/2	75	225	5.5	32	94.5	42	50	92	37	247	4	1	11	34

2 Positions/2 Ports、2 Positions/3 Ports Solenoid Valve

TG22-08

TG23-06
TG23-08

TG23-06E

TG23-06E-NO

Ordering Code

TG 22 — 08 AC220V

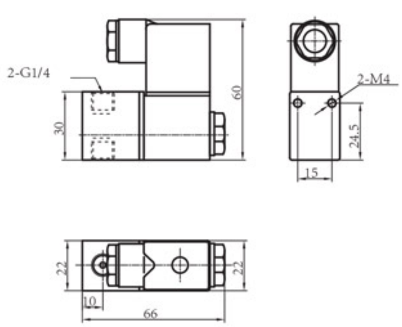
- Series: TG
- Function:
  - 22 : 2 Positions/2 Ports
  - 23 : 2 Positions/3 Ports
- Pipe Size:
  - 06 : G1/8
  - 08 : G1/4
- Standard Voltage:
  - DC24V
  - AC110V
  - AC220V

TG23-06E-NO Normally Open

Technical Parameter

Item / Specification	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
TG22-08	2 Positions/2Ports	G1/4	2.5	Air	0 ~ 0.8MPa	Internally Piloted	5 Cycles/Sec	Needless	-5 ~ 60℃
TG23-06	2 Positions/3Ports	G1/8	1.2						
TG23-08		G1/4	1.2						
TG23-06E		G1/8	1.2						
TG23-06E-NO		G1/8	1.2						

Figure Dimension



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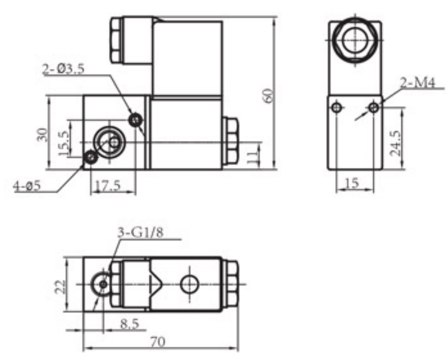
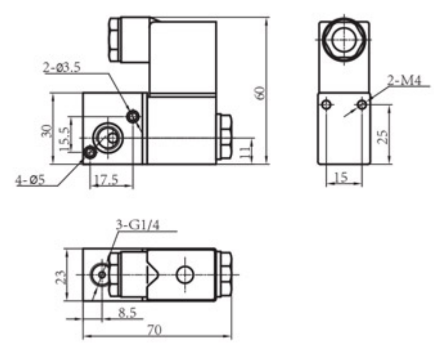
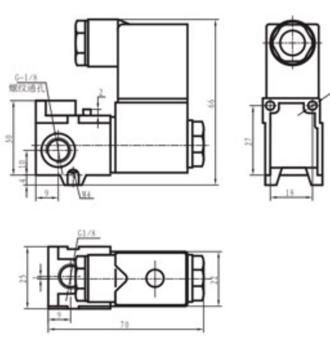


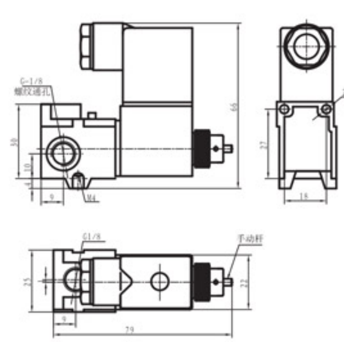
TG23-06



TG23-08



TG23-06E



TG23-06E-NO

TG23—06E Combine Valve

Ordering Code

TG23—06E — 5F

Series — Mainfold no.

Graphics Sign

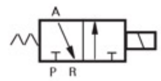
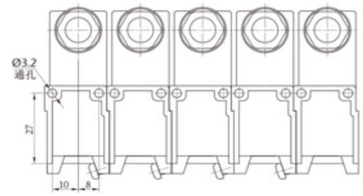
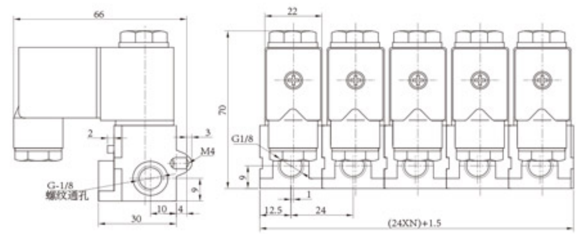


Figure Dimension





Technical Parameter

Model / Item	Structure	Prot Size	Port Size (mm)	Medium	Working Pressure	Action	Frequency	Lubrication	Lubrication Temperature	Power
TG23—06E—□ F	2 way 3 Position	G1/8	1.2	Air	0 ~ 0.8MPa	Directact	5 Cycles/sec	No Oil	−5 ~ 60°C	AC220V: 5VA DC24V: 4.8W

TG23—06 Combine Valve

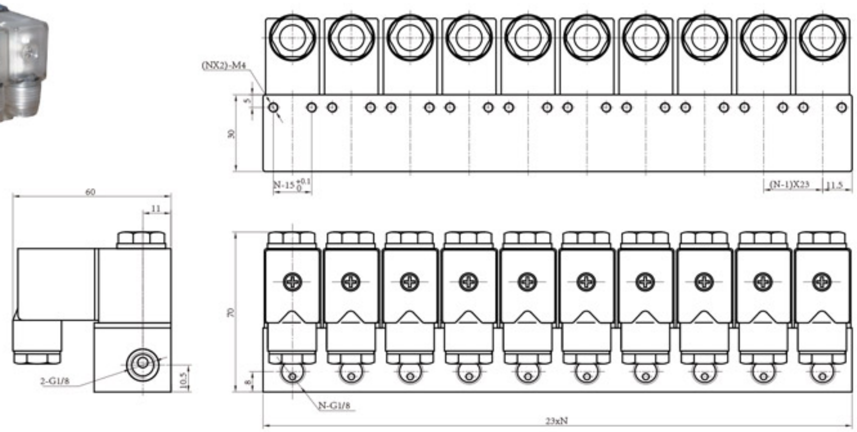
Ordering Code

TG23—06 — 10F

Series — Mainfold no.

Graphics Sign

Figure Dimension



Technical Parameter

Model / Item	Structure	Prot Size	Port Size (mm)	Medium	Working Pressure	Action	Frequency	Lubrication	Lubrication Temperature	Power
TG23—06—□ F	2 way 3 Position	G1/8	1.2	Air	0 ~ 0.8MPa	Directact	5 Cycles/sec	No Oil	−5 ~ 60°C	AC220V: 5VA DC24V: 4.8W

TG Series Air Valve

Character

It is controlled by pneumatic signal,applicable to the places where the existence of power source is forbidden.The product is in simple structure, with reliable performance and easy operation.It is widely applied to the inflammable and explosive places such as coal hill,mine, natural gas, etc. There are multiple specifi cations for your choice.

Ordering Code

TG 25 1 1A — 06 C

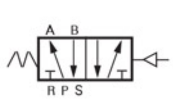
- **Series**: TG
- **Function**: 25 : 2 Positions/5Ports; 35 : 3 Positions/5Ports
- **Connection Code**: 1 : 1/8; 2 : 1/4; 3 : 3/8; 4 : 1/2
- **Control Form**: 1A : Single Air Operated; 2A : Double Air Operated
- **Pipe Size**: 06 : G1/8; 08 : G1/4; 10 : G3/8; 15 : G1/2
- **Working Mode**: No Mark : 2 Positions; C : 3 PositionsClosed Center; E : 3 Positions Release Center; P: 3 Positions Pressed Center

Technical Parameter

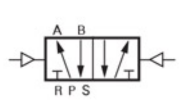
Item / Specification	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
TG2511A-06	2 Positions/5Ports	G1/8	6	Air	0.15 ~ 0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5 ~ 60°C
TG2512A-06		G1/8	6						
TG2521A-08		G1/4	8						
TG2522A-08		G1/4	8						
TG2531A-10		G3/8	10						
TG2532A-10		G3/8	10						
TG2541A-15		G1/2	15						
TG2542A-15		G1/2	15						
TG3512A-06C.E.P	3 Positions/5Ports	G1/8	6	Air	0.2 ~ 0.8 MPa	Internally Piloted	3 Cycles/Sec	Needless	-5 ~ 60°C
TG3522A-08C.E.P		G1/4	8						
TG3532A-10C.E.P		G3/8	10						
TG3542A-15C.E.P		G1/2	15						

Figure Dimension

2 Positions/5 Ports Air Valve

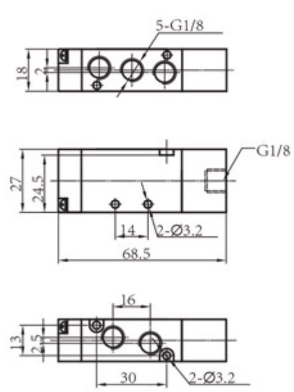


TG2511A-06

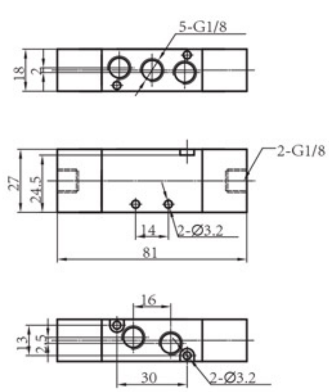


TG2512A-06

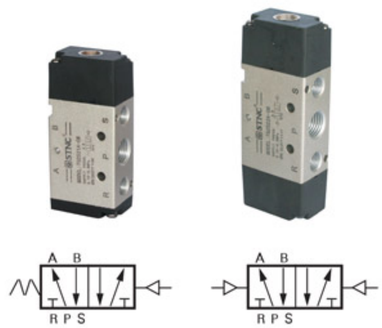
TG2511A-06



TG2512A-06

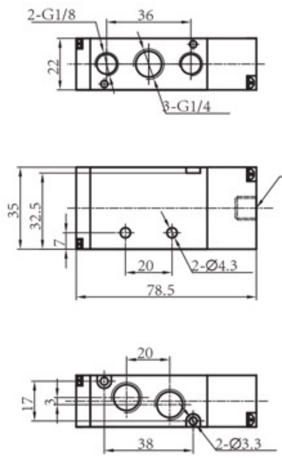


2 Positions/5 Ports Air Valve



● TG2521A—08 ● TG2522A—08

● TG2521A—08



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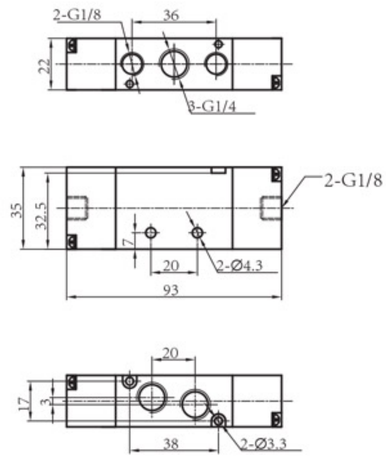
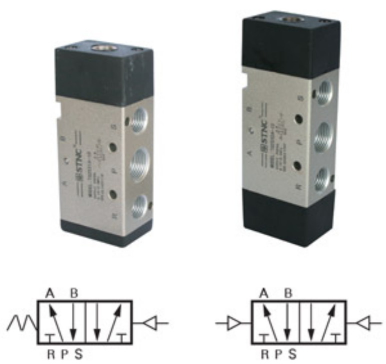
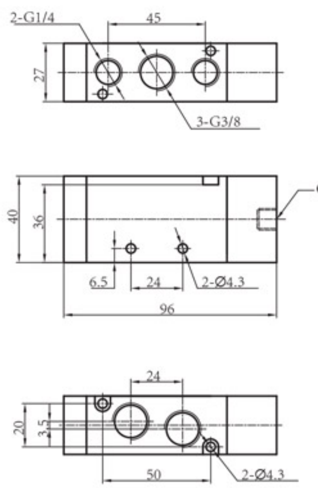


2 Positions/5 Ports Air Valve

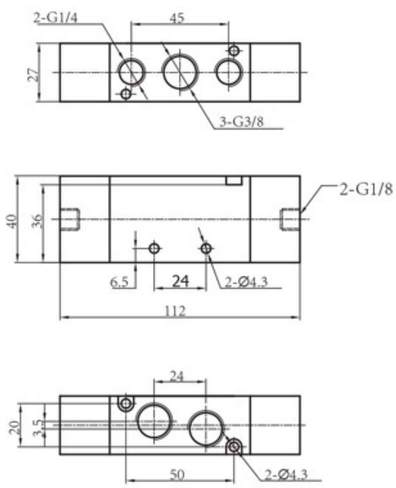


● TG2531A—10 ● TG2532A—10

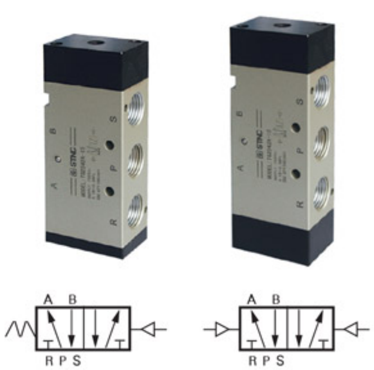
● TG2531A—10



● TG2532A—10

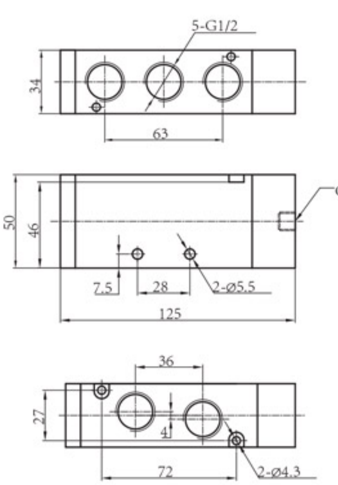


2 Positions/5 Ports Air Valve

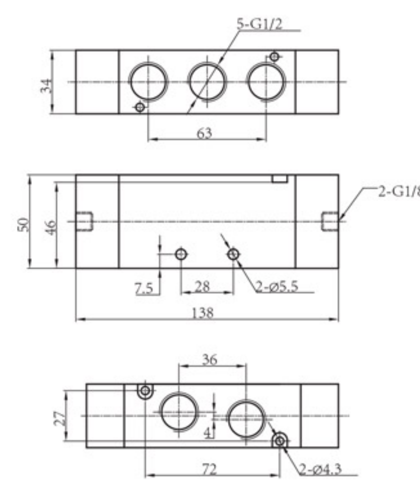


● TG2541A—15 ● TG2542A—15

● TG2541A—15



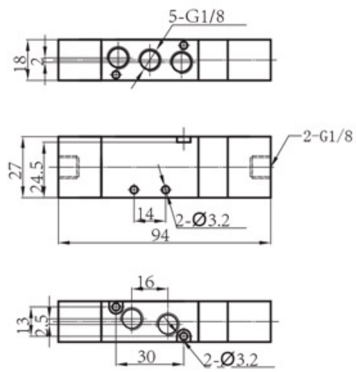
● TG2542A—15



3 Positions/5 Ports Air Valve

- TG3512A-06C
- TG3512A-06E
- TG3512A-06P

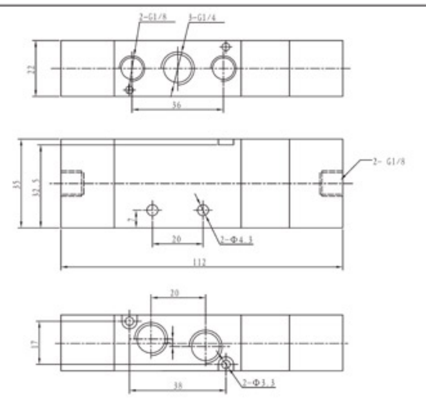
- TG3512A-06C
- TG3512A-06E
- TG3512A-06P



3 Positions/5 Ports Air Valve

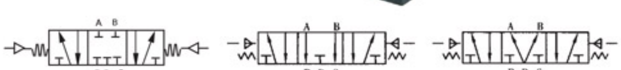
- TG3522A-08C
- TG3522A-08E
- TG3522A-08P

- TG3522A-08C
- TG3522A-08E
- TG3522A-08P

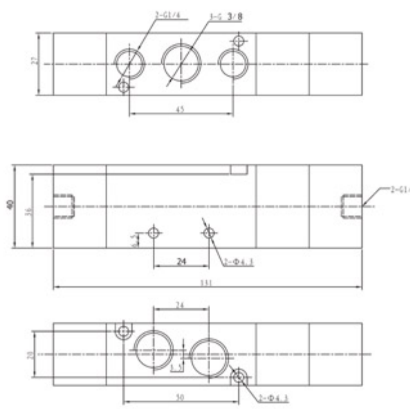


3 Positions/5 Ports Air Valve

- TG3532A-10C
- TG3532A-10E
- TG3532A-10P

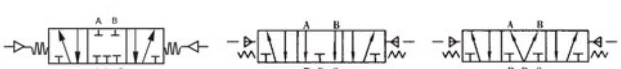


- TG3532A-10C
- TG3532A-10E
- TG3532A-10P

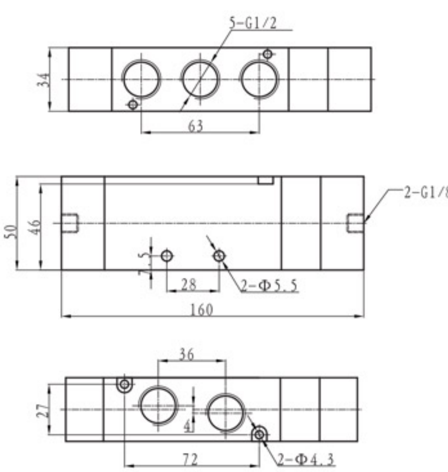


3 Positions/5 Ports Air Valve

- TG3542A-15C
- TG3542A-15E
- TG3542A-15P



- TG3542A-15C
- TG3542A-15E
- TG3542A-15P



G Series Manifold

● G100—5T

● G200—5T

● G300—5T

● G400—5T

● G230—5T

● Ordering Code

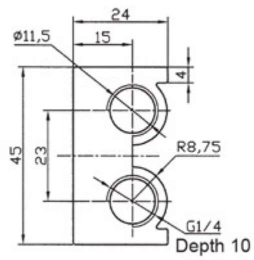
G — 100 — 5T

Series

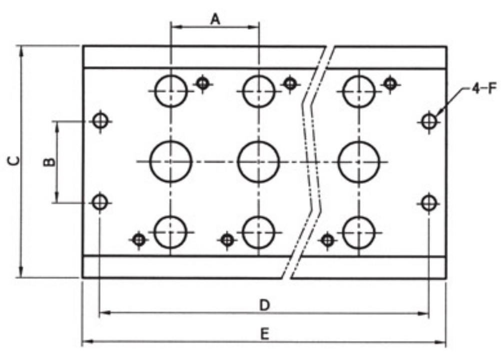
Model
100:1/4
200:1/4
230:1/4
300:3/8
400:1/2

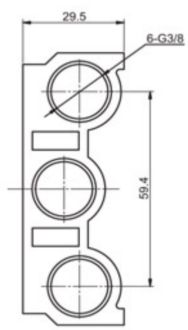
Number of Connector
1-16

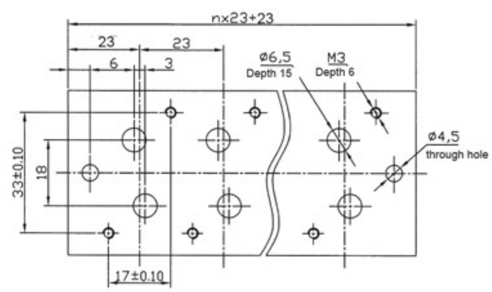
■ Figure Dimension (G230)



■ Figure Dimension







Manifold Type	A	B	C	D	E	F	G	H	I
G100 □ T	19	20	58	19(n−1)+28	19(n−1)+38	ϕ4.5	G1/4	40	25
G200 □ T	23	20	60	23(n−1)+35	23(n−1)+46	ϕ4.5	G1/4	42	25
G300 □ T	28	26	74	28(n−1)+45	28(n−1)+56	ϕ4.5	G3/8	50	30
G400 □ T	35	32	100	35(n−1)+56	35(n−1)+70	ϕ4.5	G1/2	65	41

Blank Plate For G Series Manifold

● G200—B

● Ordering Code

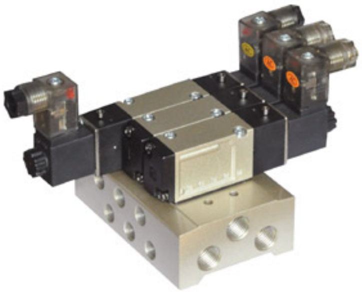
G 100 — B

Series

Type
100
200
230
300
400

B:Blank Plate

TG series bottom connected combined valve



- Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi-valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

Single solenoid operated

Double solenoid operated

Closed Center

Release Center

Pressed Center

- Ordering Code

TG 25 1 1 C — 06 MD AC220V

- 25: Function — 25:2 positions/5 Ports; 35:3 positions/5 Ports
- 1: Connection Code — 1:1/8; 2:1/4
- 1: Control Form — 1:Single solenoid operated; 2:Double solenoid operated
- C: Working mode — No mark:2 positions; C:Close center; E:Release center; P:Pressed Center
- 06: Pipe size — 06:G1/8; 08:G1/4
- MD: Connecting type — MD: bottom connection type
- AC220V: Standard voltage — DC12V; DC24V; AC36V; AC110V; AC220V

Solenoid specifications

Allowable Voltage Range		±10%
Insulated Grade		Class B or Equivalent
Response Time		0.05 Sec
Power Consumption	AC	Start：5.6VA, Keep on：5.4VA
	DC	4W
Surge Voltage Suppressor		AC:Varistor, DC:Diode
Indicator Light		Neon Light、LED

- Maintenance Notice:

1.Be sure to check up the valve before installation.
2.Before installation, please confi rm the voltage connection and airflow direction are right.
3.Notice to do dustproof. It's best to install a silencer or speed control silencer in the port of solenoid valve.
4.Metallic particle, dust and oil stain in pipes and fi ttings must be Eliminated before connected.

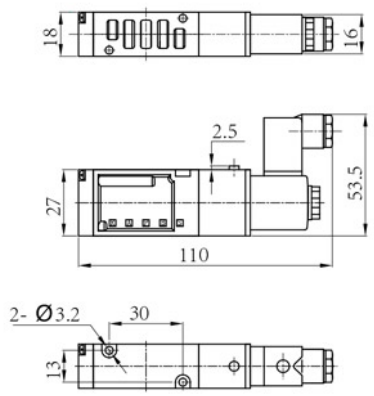
Technical Parameter

Item / Specification	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TG2511-06MD	2 Positions/5Ports	G1/8	4	Air	0.15～0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5～60℃	AC220V:4VA DC24V:2.6W
TG2512-06MD		G1/8	4							
TG2521-08MD		G1/4	4.5							AC220V:5VA DC24V:4.8W
TG2522-08MD		G1/4	4.5							
TG3512C.E.P-06MD	3 Positions/5Ports	G1/8	3.5	Air	0.2～0.8 MPa	Internally Piloted	3 Cycles/Sec	Needless	-5～60℃	AC220V:4VA DC24V:2.6W
TG3522C.E.P-08MD		G1/4	4							AC220V:5VA DC24V:4.8W

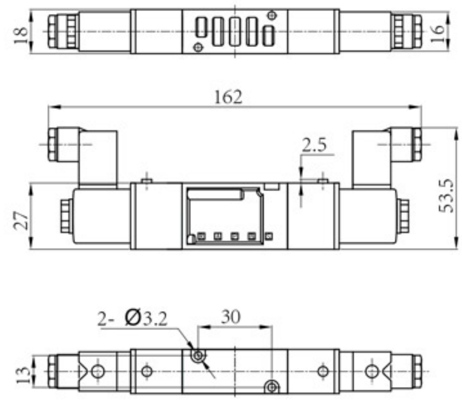
TG series bottom connected combined valve

Figure Dimension

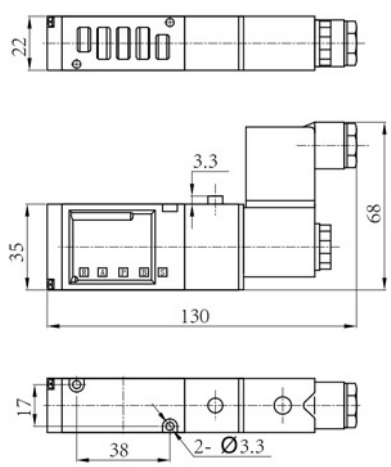
● TG2511-06MD



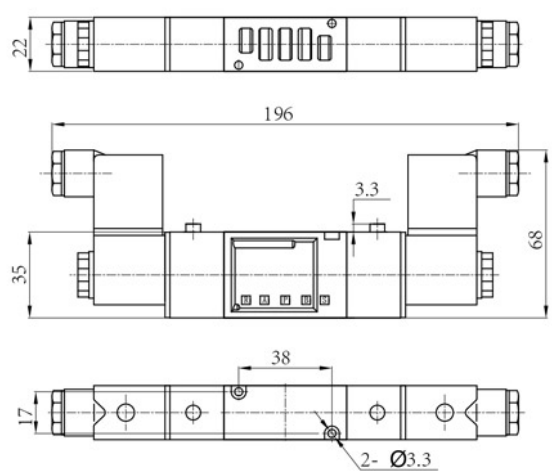
● TG2512-06MD



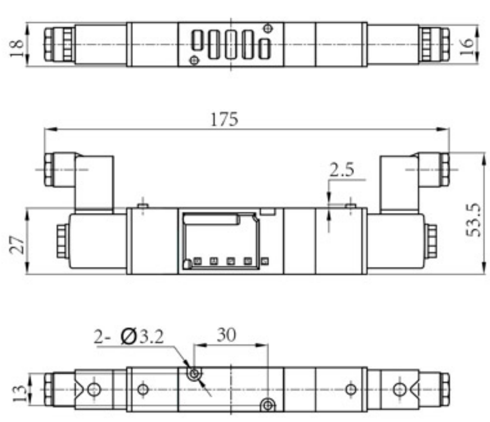
● TG2521-08MD



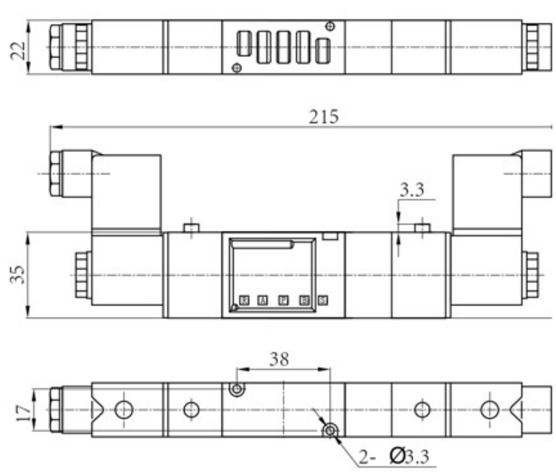
● TG2522-08MD



● TG3512C.E.P-06MD



● TG3522C.E.P-08MD

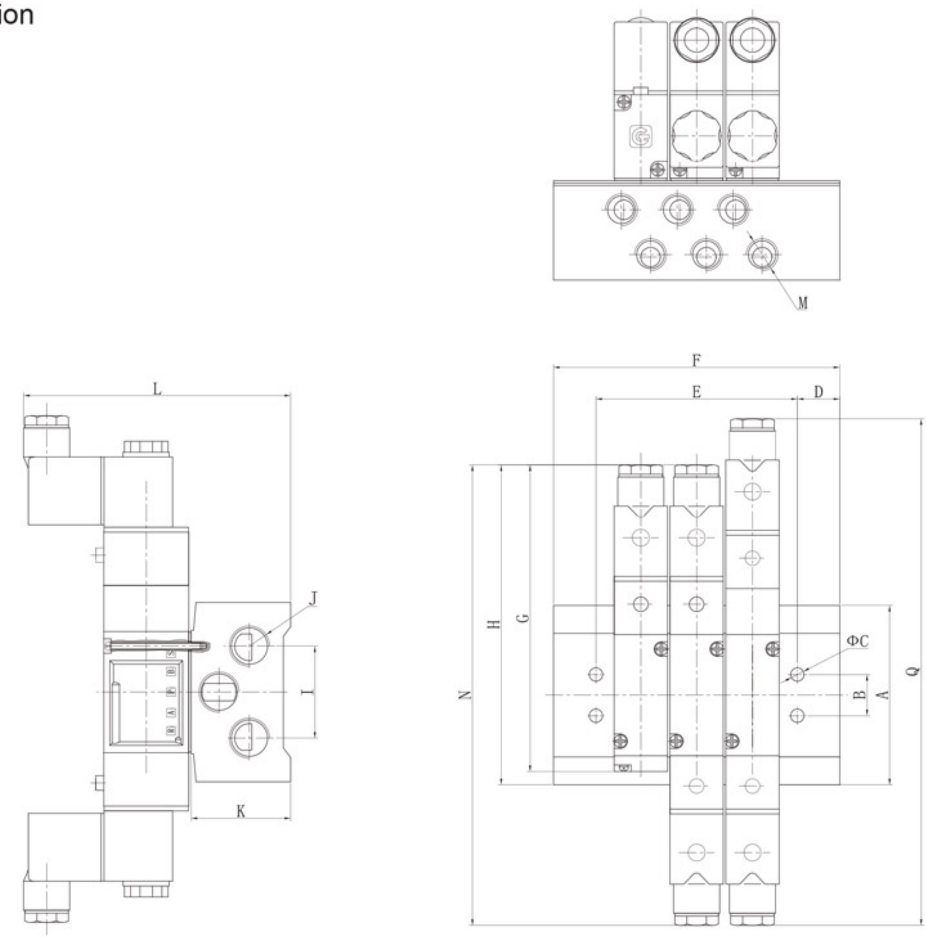


● Ordering Code (Manifold)

G 100 — MD — 5T

- 100: Type — 100:1/8, 200:1/4
- MD: Connecting type — MD: bottom connection type
- 5T: Number of Connector — 1-16

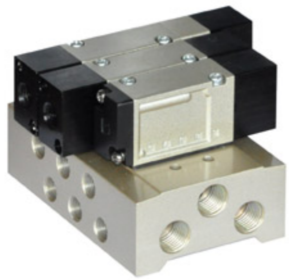
■ Figure Dimension



Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q
GMD100	65	14	4.5	15	11+N x 19	41+N x 19	110	114.5	32	G1/4	33	89	G1/8	162	175
GMD200	74	17	5.5	17.5	14+N x 23	49+N x 23	130	135.5	38	G3/8	41	110	G1/4	196	215

N :Number of Connector

TG series bottom connected air control valve

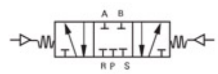


● Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi-valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

Single solenoid operated

Double solenoid operated



Closed Center

Release Center

Pressed Center

● Ordering Code

TG 25 1 1A C — 06 MD

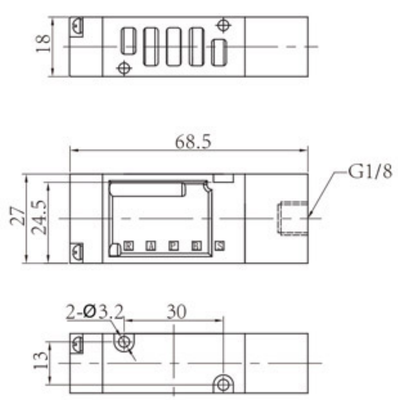
- **25** — Function
  25: 2 Positions/5Ports
  35: 3 Positions/5Ports
- **1** — Connection Code
  1: 1/8
  2: 1/4
- **1A** — Control Form
  1A: Single Air Operated
  2A: Double Air Operated
- **C** — Working Mode:
  No Mark: 2 Positions
  C: 3 PositionsClosed Center
  E: 3 Positions Release Center
  P: 3 Positions Pressed Center
- **06** — Pipe Size
  06: G1/8
  08: G1/4
- **MD** — Connecting type
  MD: bottom connection type

■ Technical Parameter

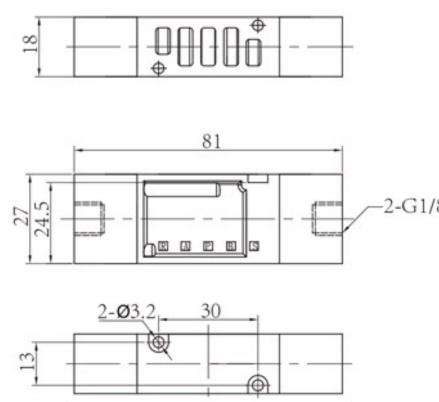
Item / Specification	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
TG2511A–06MD	2 Positions/5Ports	G1/8	4	Air	0.15 ~ 0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	–5 ~ 60℃
TG2512A–06MD		G1/8	4						
TG2521A–08MD		G1/4	4.5						
TG2522A–08MD		G1/4	4.5						
TG3512AC.E.P–06MD	3 Positions/5Ports	G1/8	3.5	Air	0.2 ~ 0.8 MPa	Internally Piloted	3 Cycles/Sec	Needless	–5 ~ 60℃
TG3522AC.E.P–08MD		G1/4	4						

Figure Dimension

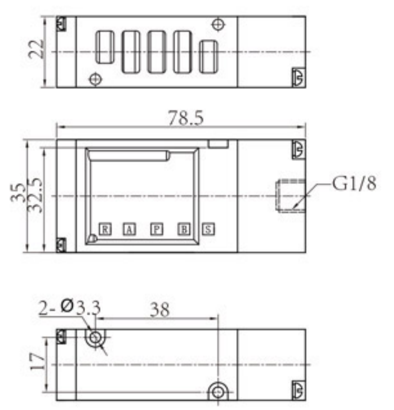
TG2511A—06MD



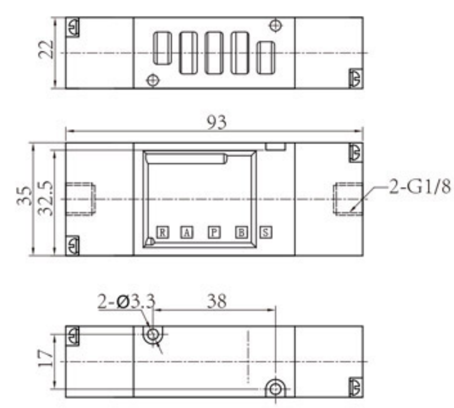
TG2512A—06MD



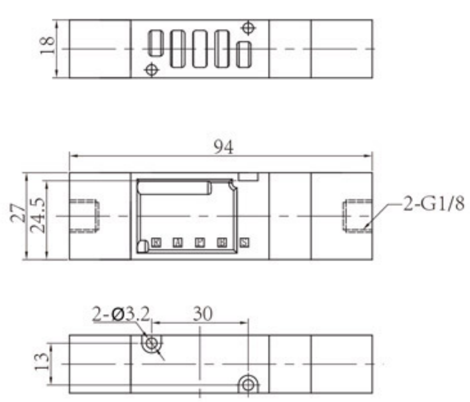
TG2521A—08MD



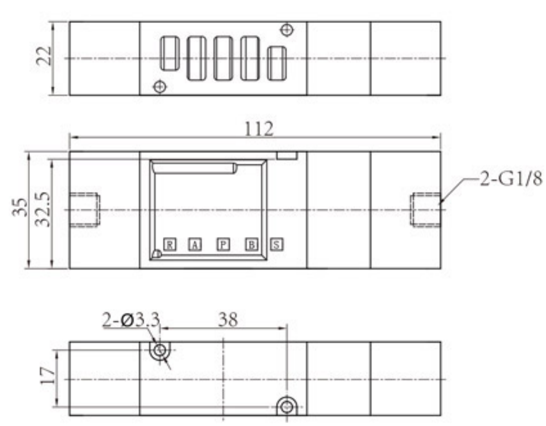
TG2522A—08MD



TG3512AC.E.P—06MD



TG3522AC.E.P—08MD



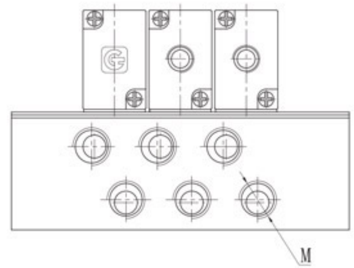
TG Series Bottom Connected Air Control Valve

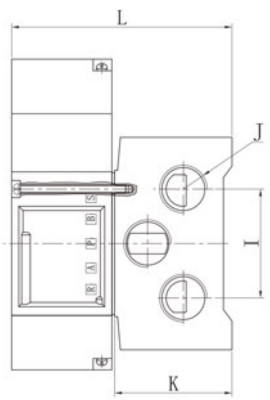
Ordering Code (Manifold)

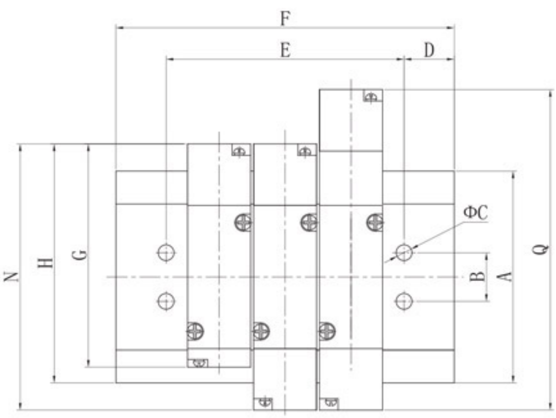
G | 100 — MD — 5T

- Type: 100:1/8, 200:1/4
- Connecting type: MD: bottom connection type
- Number of Connector: 1-16

Figure Dimension







Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q
GMD100	65	14	4.5	15	11+N X 19	41+N X 19	68.5	73	32	G1/4	33	61.5	G1/8	81	94
GMD200	74	17	5.5	17.5	14+N X 23	49+N X 23	78.5	84.5	38	G3/8	41	77.5	G1/4	93	112

N: Number of Connector

Bottom—fit valve manifold supporting blind

GMD200—B

Ordering Code

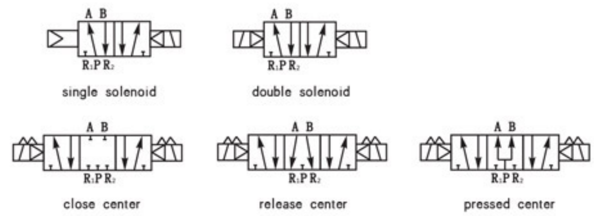
G | MD | 100 — B

- Series
- Bottom—fit
- Type: 100, 200
- B: Blank Plate

TG Series Explosion-proof Solenoid Valve

Character

Small size,flow capacity,reliable performance,configuring encapsulation proof solenoid coil,explosion-proof level•Ex mb II T4 Gb,suitable for inclusion IIA、IIB、IIC grade T1•T4 series explosive atmosphere of zone 1 , zone2 situation.



Ordering Code

TG 25 2 1 C — 08 EX AC220V

- **25** Function: 25 : 2 positions 5 ports; 35 : 3 positions 5 ports
- **2** Connection Code: 2 : 1/4; 3: 3/8; 4: 1/2
- **1** Control Form: 1:Single solenoid operated; 2:Double solenoid operated
- **C** Working mode: No mark:2 positions; C:Close center; E:Release center; P:Pressed Center
- **08** Pipe size: 08 : G1/4; 10: G3/8; 15: G1/2
- **EX** Explosion-proof mark (explosion levels) :Ex mb II T4 Gb)
- **AC220V** Standard voltage: DC24V; AC220V

Meaning of explosion-roof

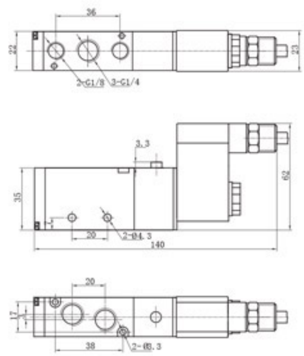
- **Ex**: Explosion-proof mark
- **mb**: Encapsulation
- **II**: In addition to the gaseous environment of coal mine gas
- **T4**: Temperature group 135°C
- **Gb**: Equipment protection level

Coil specification

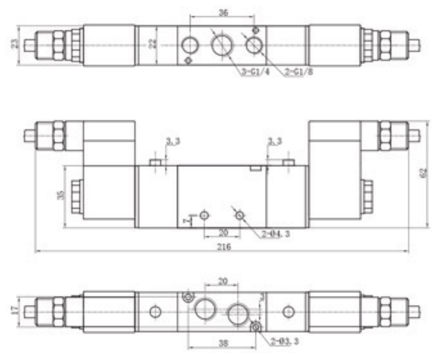
Product type	Ex09301	
Product number	No.SB549	
Conventional voltage	AC220V DC24V	
Conventional power	AC	4.2VA
	DC	4.5W
	other special voltage、pecial power can becustomized	
Explosion-proof range	Ex mb II T4 Gb	
Coil connection	cable	
Explosion-proof certificate	CNEx11.3575X	
Temperature power consumption	-20~50°C, coil temperature ≤ 80°C	

Figure Dimension

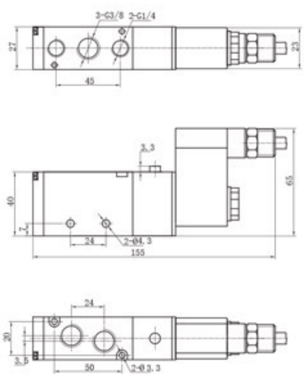
● TG2521—08EX



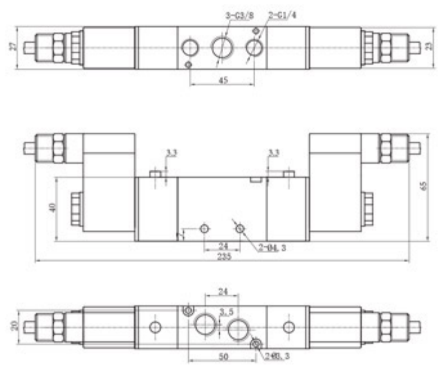
● TG2522—08EX



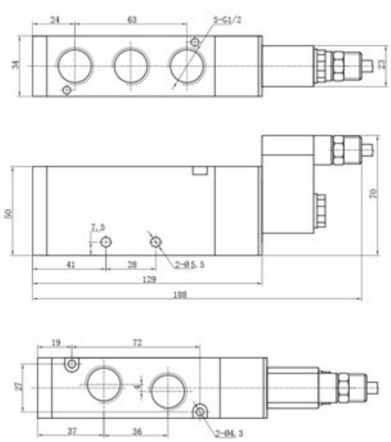
● TG2531—10EX



● TG2532—10EX



● TG2541—15EX



● TG2542—15EX

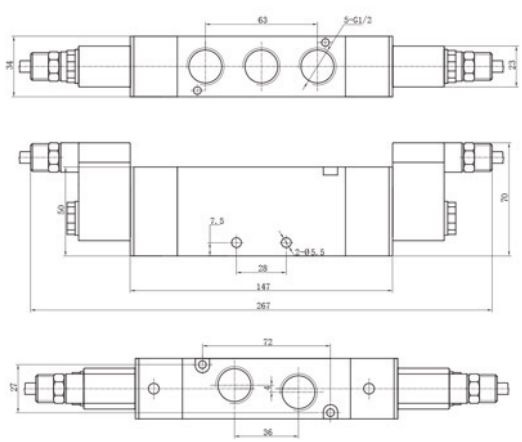
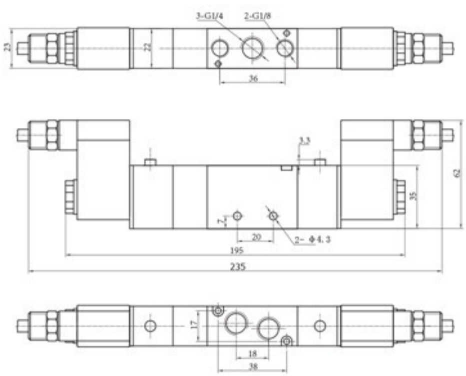
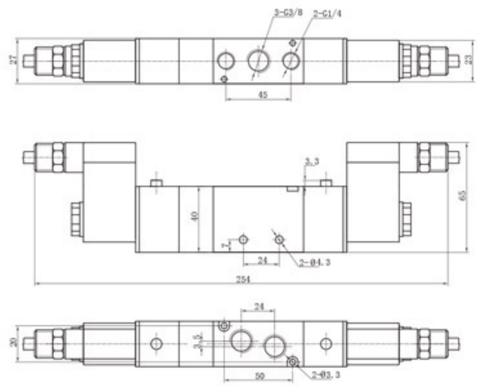


Figure Dimension

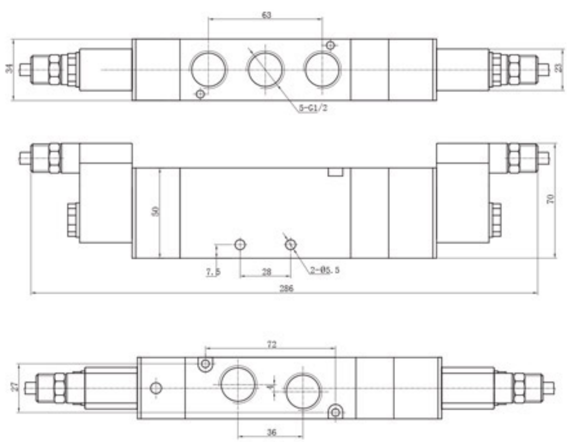
● TG3522C.E.P—08EX



● TG3532C.E.P—10EX



● TG3542C.E.P—15EX



● character

1.check the explosion-proof certificate number before installation,deal with the integrity of the power supply voltage and check the drop cable installation.

2.we must cut off the power when checking orservicing

3.coil drop cable 3 core wine,including yellow-green or black ground wire

4.the introduction of cable wiring to the appropriate explosion protection measures must be taken to check the cable connection is reliable, The free end of the cable in the hazardous locations connec ted,we must adapt the environment and the use of explosion-proof junction box for the transition ,and access to internal explosion-proof products.

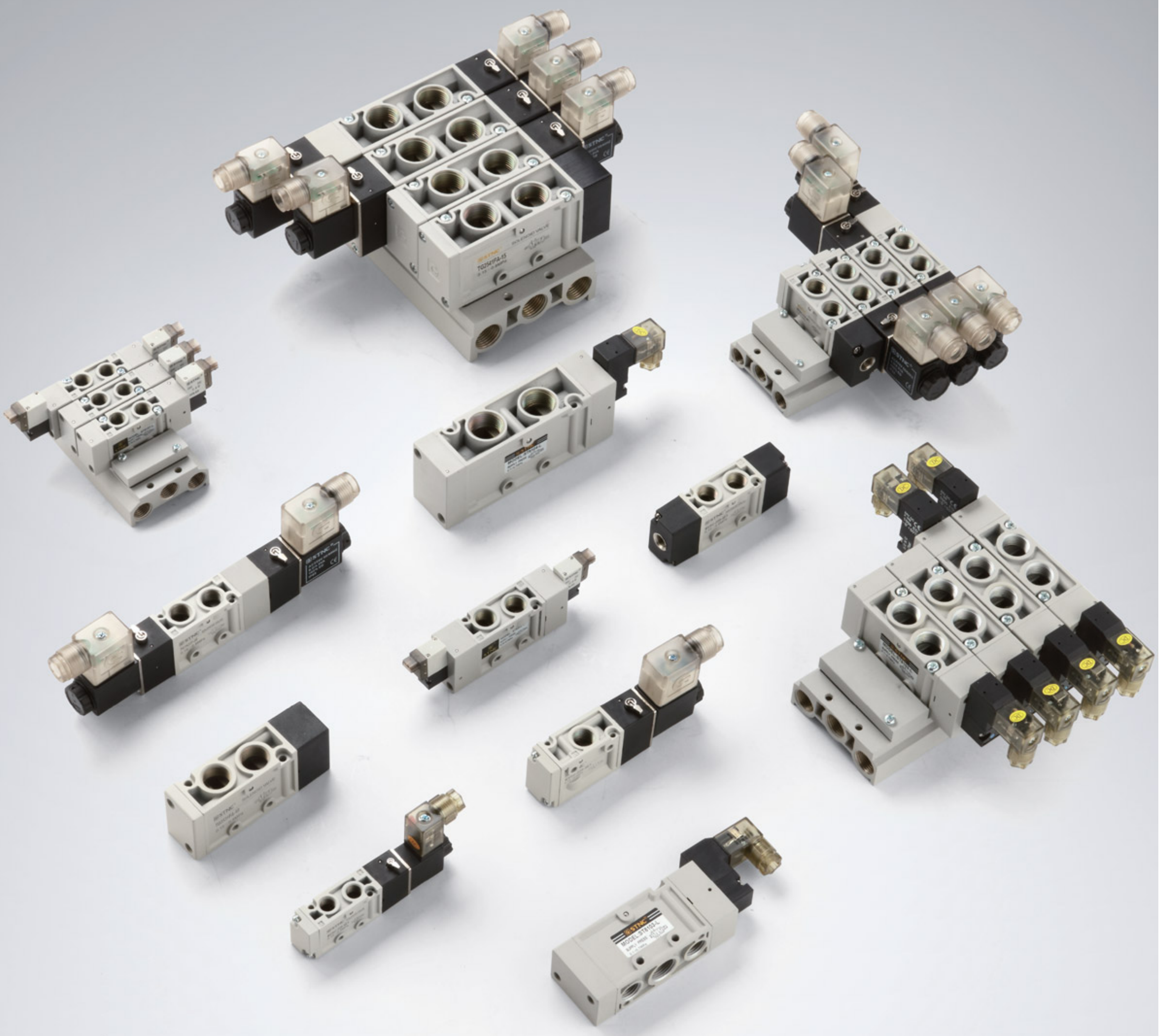
5.explosion-proof coil equipped with over-voltage protection device, when the voltage exceeds the rated voltage of more than 20%, it will cause protective devices, leading

6.Explosion-proof solenoid coil and supporting the use of medium temperature should not exceed 60 ℃ ,the maximum temperature of the valve exposed surface of the body is not more than 130℃

7.The installation site does not exist the corrosive gases for the product casing

8.Users can not replace parts on their own products, manufacturers should jointly solve common faults occurred in operation, in order to prevent damage from occurring

STNC®



TG Series Solenoid Valve (Die casting body)

Character

Valve body is fabricated by pressure casting. Small dimension, high flow capacity. Various specifications for your choice.Valve body

Graphics Sign

Single solenoid operated

Double solenoid operated

Ordering Code

TG — 23 — 1 — 1 — F — 06 — AC220V

- **23** — Function: 23: 2 positions/3 Ports
- **1** — Connection Code: 1: 1/8; 2: 1/4; 3: 3/8; 4: 1/2
- **1** — Control Form: 1: Single solenoid operated; 2: Double solenoid operated
- **F** — Die casting body
- **06** — Pipe size: 06: G1/8; 08: G1/4; 10: G3/8; 15: G1/2
- **AC220V** — Standard voltage: DC12V, DC24V, AC36V, AC110V, AC220V

Solenoid specifications

Allowable Voltage Range		±10%
Insulated Grade		Class B or Equivalent
Response Time		0.05 Sec
Power Consumption	AC	Start: 5.6VA, Keep on: 5.4VA
	DC	4W
Surge Voltage Suppressor		AC:Varistor, DC:Diode
Indicator Light		Neon Light、LED

Maintenance Notice:

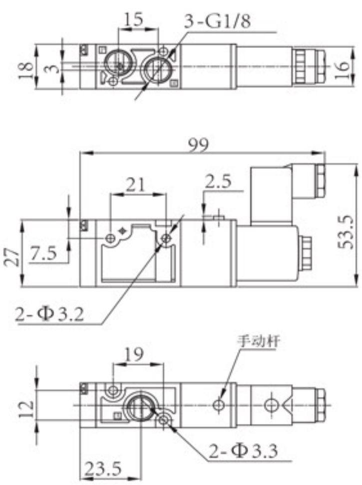
1.Be sure to check up the valve before installation.
2.Before installation, please confi rm the voltage connection and airflow direction are right.
3.Notice to do dustproof. It' s best to install a silencer or speed control silencer in the port of solenoid valve.
4.Metallic particle, dust and oil stain in pipes and fi ttings must be Eliminated before connected.

Technical Parameter

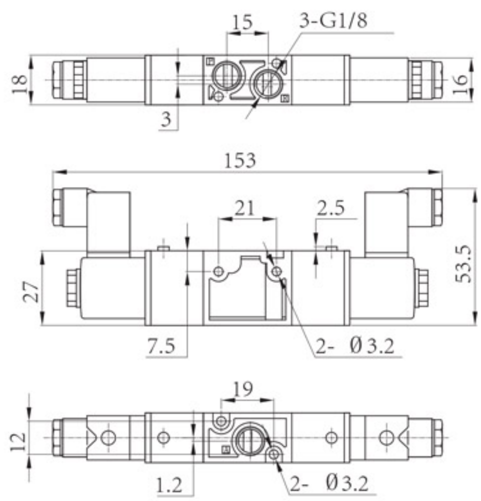
Item / Specification	Function	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TG2311F-06	2 Positions/3Ports	4	Air	0.15 ~ 0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5 ~ 60°C	AC220V:4VA DC24V:2.6W
TG2321F-08		4.5							
TG2312F-06		4							
TG2322F-08		4.5							
TG2331F-10		6.5							AC220V:5VA DC24V:4.8W
TG2341F-15		8							
TG2332F-10		6.5							
TG2342F-15		8							

Figure Dimension

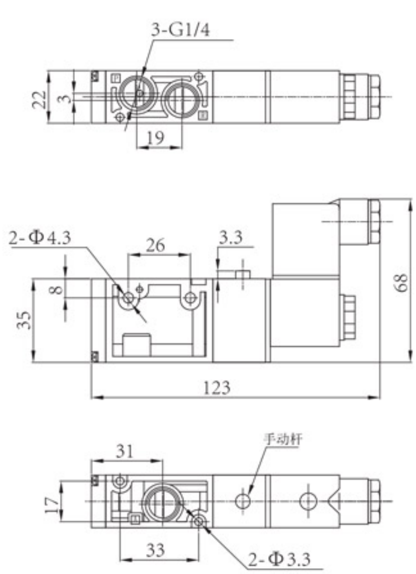
● TG2311F-06



● TG2312F-06



● TG2321F-08



● TG2322F-08

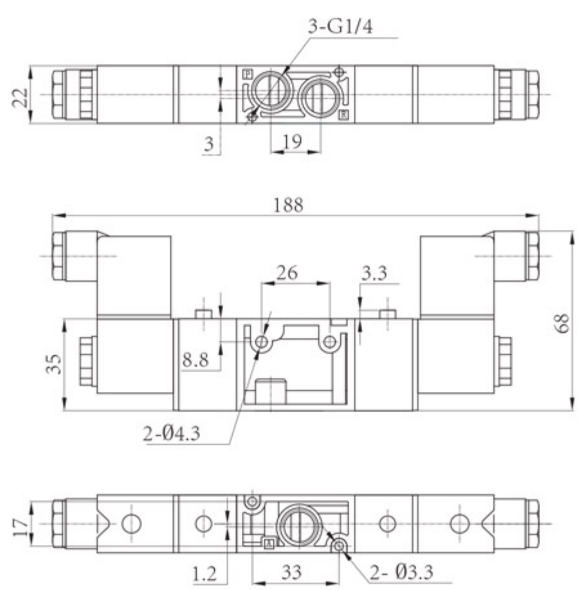
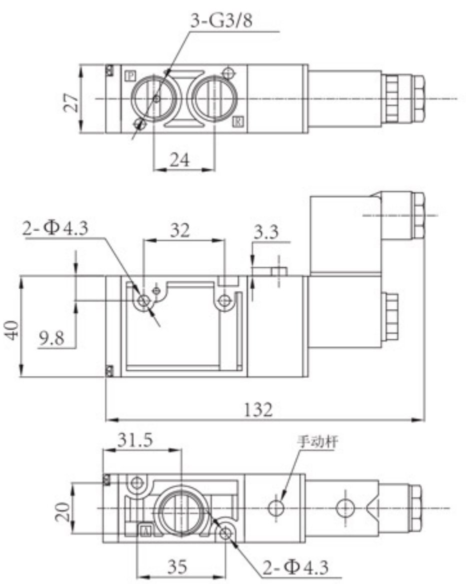
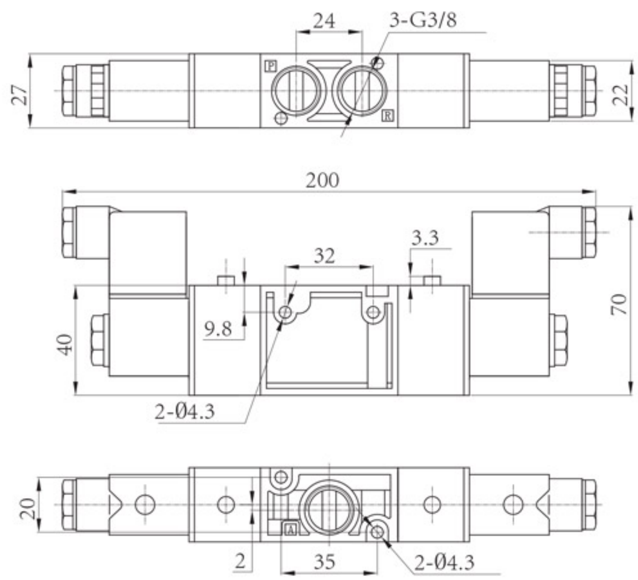


Figure Dimension

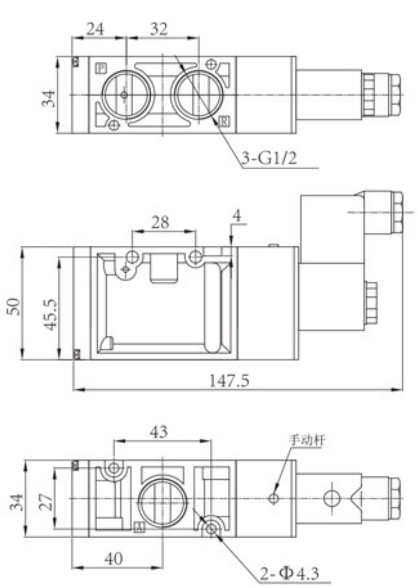
● TG2331F−10



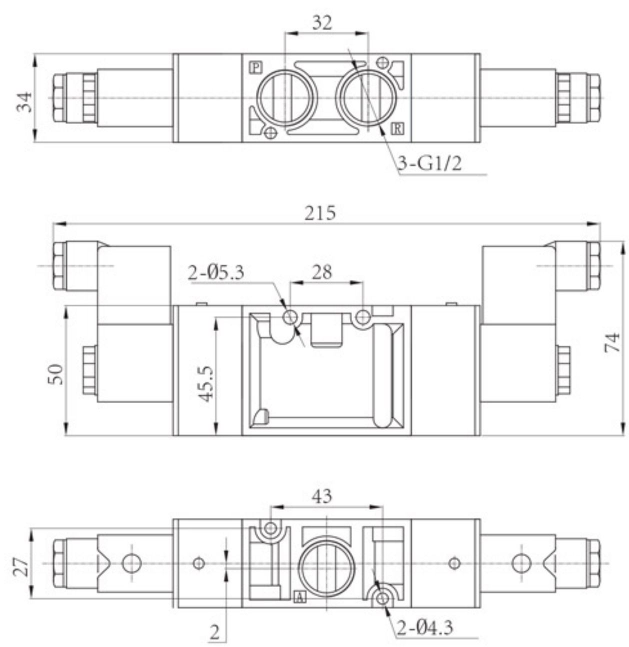
● TG2332F−10



● TG2341F−15



● TG2342F−15



TG Series Solenoid Valve (Die casting body)

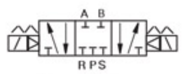
● Character

Valve body is fabricated by pressure casting. Small dimension, high flow capacity. Various specifications for your choice.Valve body

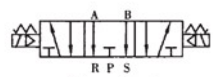
■ Graphics Sign

Single solenoid operated

Double solenoid operated



Closed Center



Release Center

Pressed Center

● Ordering Code

TG — 25 — 1 — 1 — F — 06 — C — AC220V

25	1	1	F	06	C	AC220V
Function	Connection Code	Control Form	Die casting body	Pipe size	Working Mode	Standard voltage
23：2 positions/3 Ports	1：1/8	1：Single solenoid operated		06：G1/8	No Mark：2 Positions	DC12V
35：3 positions/5 Ports	2：1/4	2：Double solenoid operated		08：G1/4	C：3 PositionsClosed Center	DC24V
	3：3/8			10：G3/8	E：3 Positions Release Center	AC36V
	4：1/2			15：G1/2	P：3 Positions Pressed Center	AC110V
						AC220V

■ Solenoid specifications

Allowable Voltage Range		±10%
Insulated Grade		Class B or Equivalent
Response Time		0.05 Sec
Power Consumption	AC	Start：5.6VA, Keep on：5.4VA
	DC	4W
Surge Voltage Suppressor		AC:Varistor, DC:Diode
Indicator Light		Neon Light、LED

● Maintenance Notice：

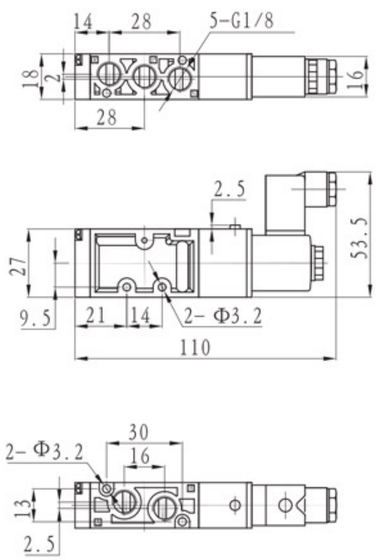
1.Be sure to check up the valve before installation.
2.Before installation, please confi rm the voltage connection and airflow direction are right.
3.Notice to do dustproof. It' s best to install a silencer or speed control silencer in the port of solenoid valve.
4.Metallic particle, dust and oil stain in pipes and fi ttings must be Eliminated before connected.

■ Technical Parameter

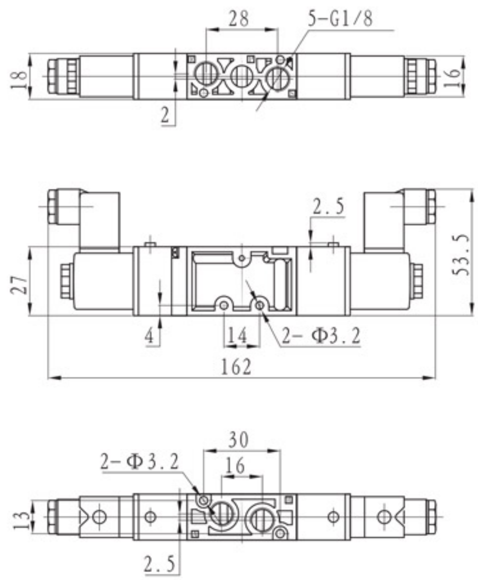
Specification \ Item	Function	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TG2511F-06 TG2512F-06	2 Positions/ 5 Ports	4	Air	0.15～0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	-5～60°C	AC220V(4VA) DC24V(2.6W)
TG2521F-08 TG2522F-08		4.5							AC220V:5VA DC24V:4.8W
TG2531F-10 TG2532F-10		6.5							
TG2541F-15 TG2542F-15		8							
TG3512F-06C.E.P	3 Positions/ 5 Ports	4	Air	0.2～0.8 MPa	Internally Piloted	3 Cycles/Sec	Needless	-5～60°C	AC220V(4VA) DC24V(2.6W)
TG3522F-08C.E.P		4.5							AC220V:5VA DC24V:4.8W
TG3532F-10C.E.P		6.5							
TG3542F-15C.E.P		8							

Figure Dimension

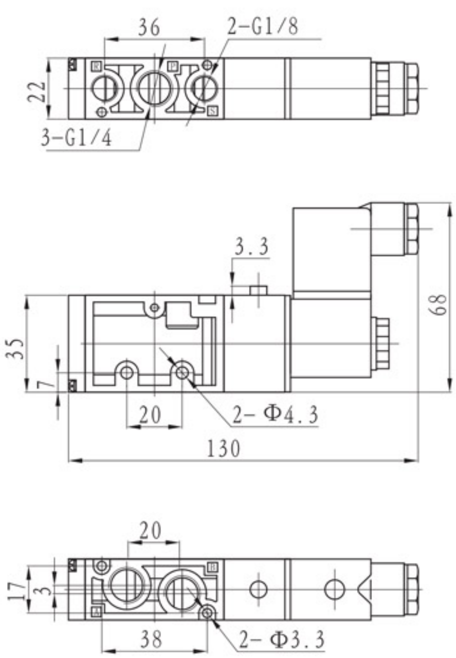
TG2511F-06



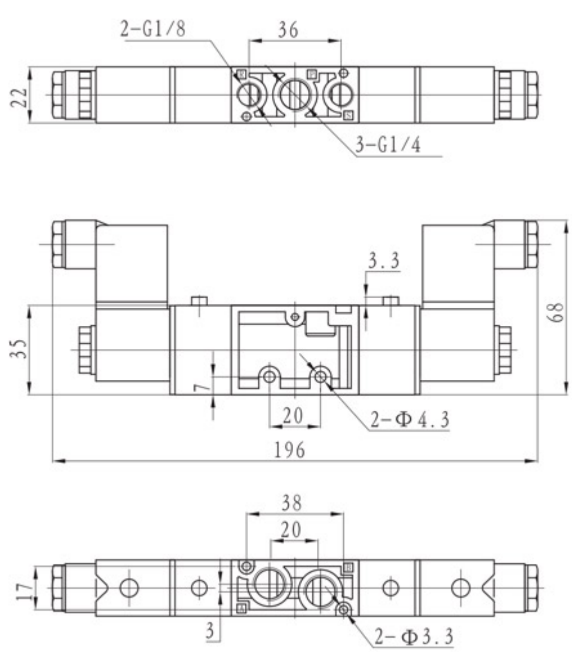
TG2512F-06



TG2521F-08

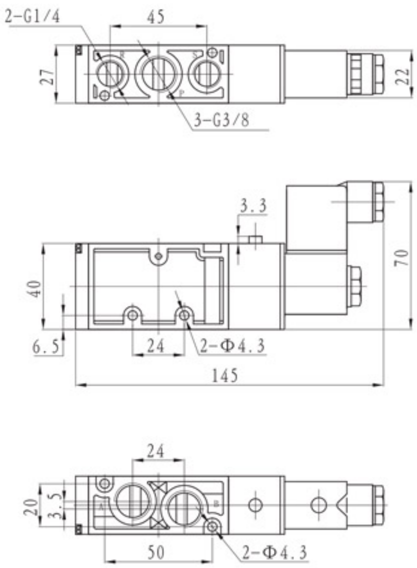


TG2522F-08

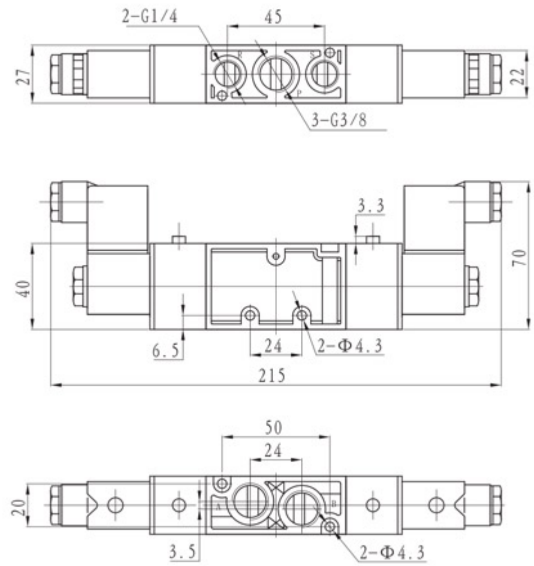


■ Figure Dimension

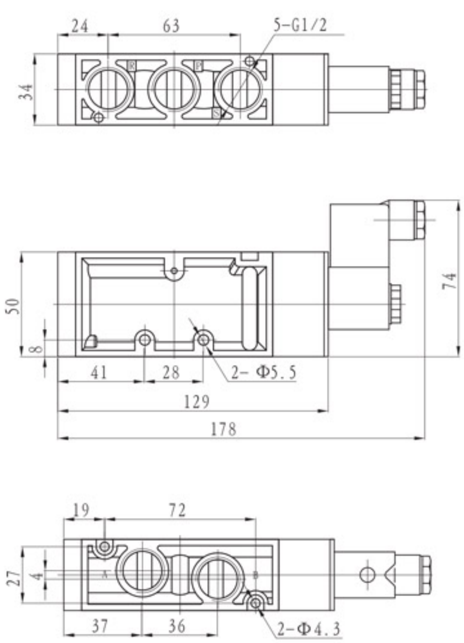
● TG2531F-10



● TG2532F-10



● TG2541F-15



● TG2542F-15

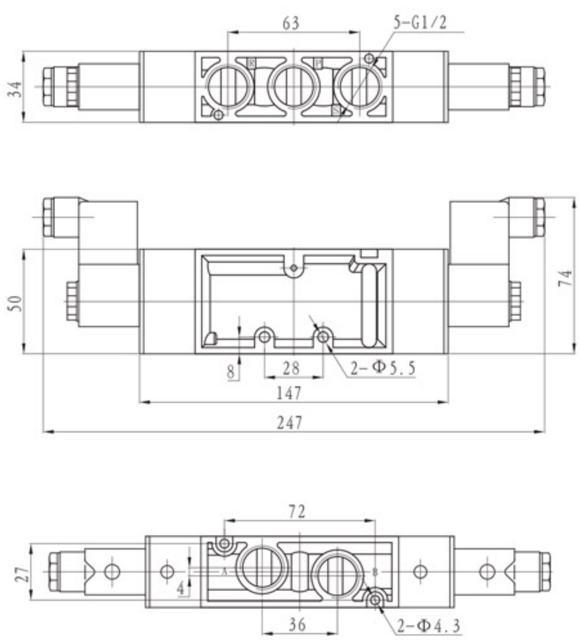
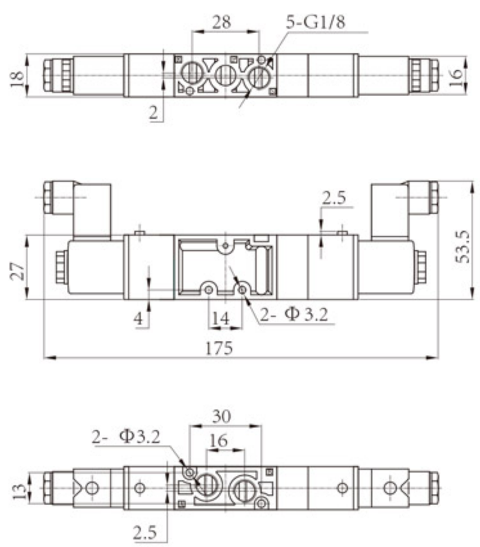
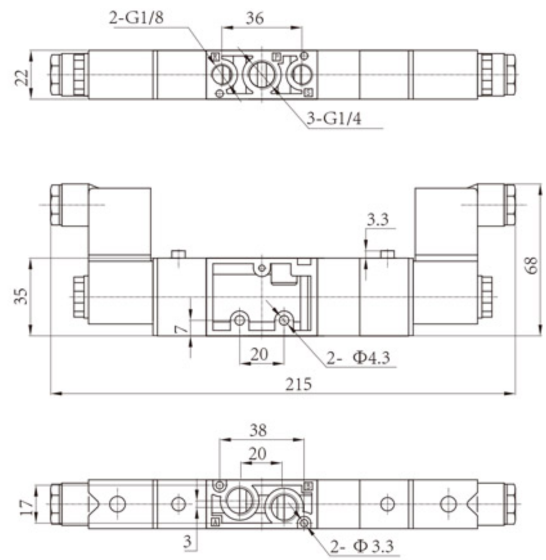


Figure Dimension

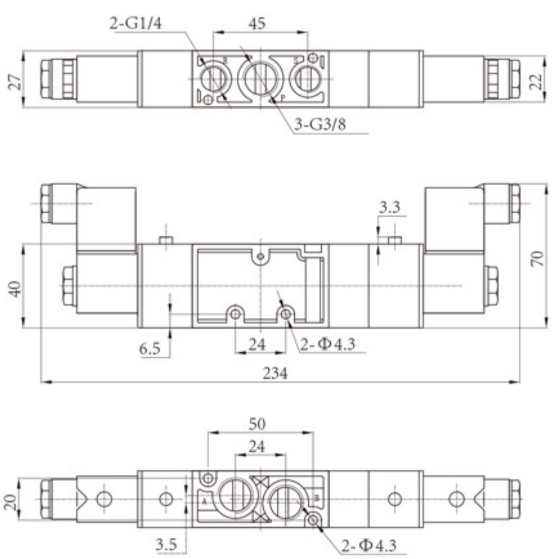
● TG3512F—06C.E.P



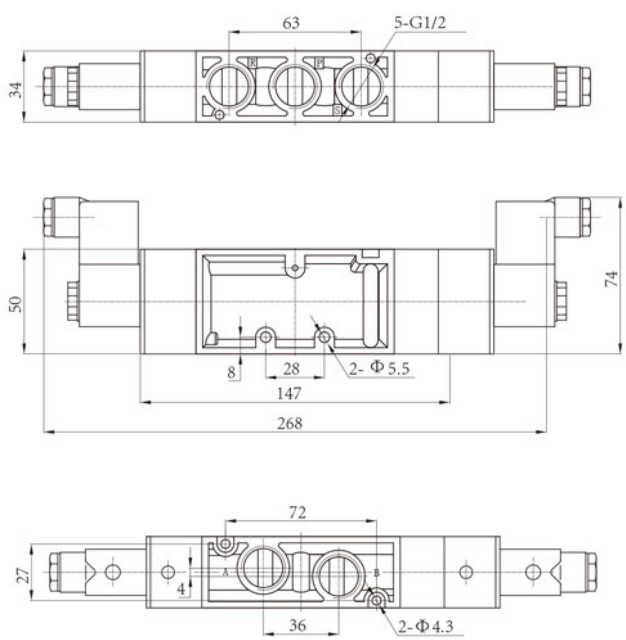
● TG3522F—08C.E.P



● TG3532F—10C.E.P



● TG3542F—15C.E.P



TG Series Air Valve (Die casting body)

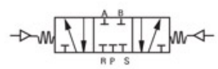
Character

Valve body is fabricated by pressure casting. Small dimension, high flow capacity. Various specifications for your choice.Valve body

Graphics Sign

Single air operated

Double air operated



Closed Center

Release Center

Pressed Center

Ordering Code

TG 25 1 1 FA — 06 C

Function
- 23 : 2 positions/3 Ports
- 35 : 3 positions/5 Ports

Connection Code
- 1 : 1/8
- 2 : 1/4
- 3 : 3/8
- 4 : 1/2

Control Form
- 1 : Single air operated
- 2 : Double air operated

Die casting body (FA)

Pipe size
- 06 : G1/8
- 08 : G1/4
- 10 : G3/8
- 15 : G1/2

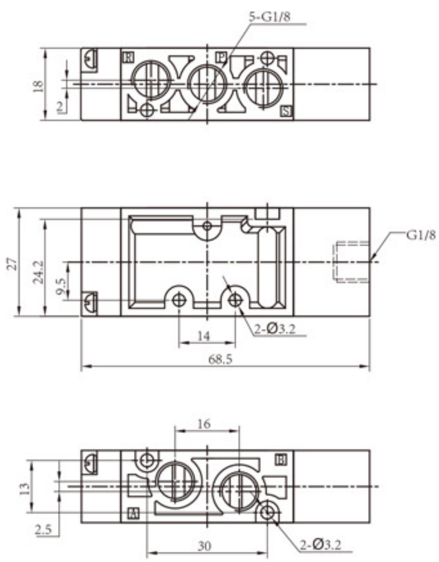
Working Mode
- No Mark : 2 Positions
- C : 3 PositionsClosed Center
- E : 3 Positions Release Center
- P: 3 Positions Pressed Center

Technical Parameter

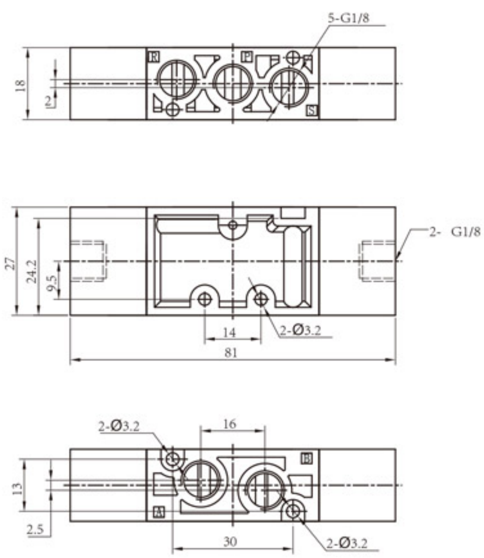
Specification \ Item	Function	Function	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
TG2511FA–06	2 Positions/ 5 Ports	G1/8	4	Air	0.15 ~ 0.8 MPa	Internally Piloted	5 Cycles/Sec	Needless	–5 ~ 60℃
TG2512FA–06		G1/8	4						
TG2521FA–08		G1/4	4.5						
TG2522FA–08		G1/4	4.5						
TG2531FA–10		G3/8	6.5						
TG2532FA–10		G3/8	6.5						
TG2541FA–15		G1/2	8						
TG2542FA–15		G1/2	8						
TG3512FA–06C.E.P	3 Positions/ 5 Ports	G1/8	3.5	Air	0.2 ~ 0.8 MPa	Internally Piloted	3 Cycles/Sec	Needless	–5 ~ 60℃
TG3522FA–08C.E.P		G1/4	4						
TG3532FA–10C.E.P		G3/8	5						
TG3542FA–15C.E.P		G1/2	6.5						

Figure Dimension

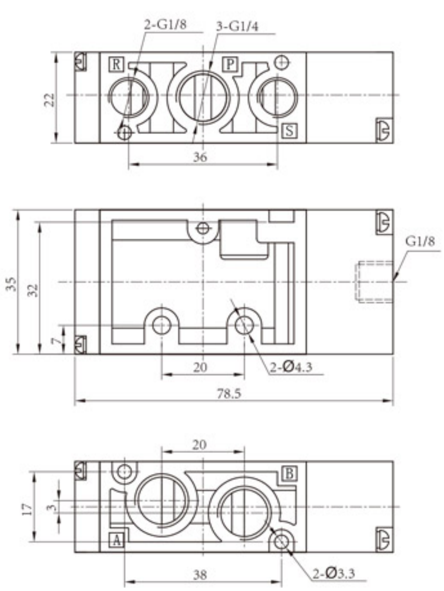
● TG2511FA-06



● TG2512FA-06



● TG2521FA-08



● TG2522FA-08

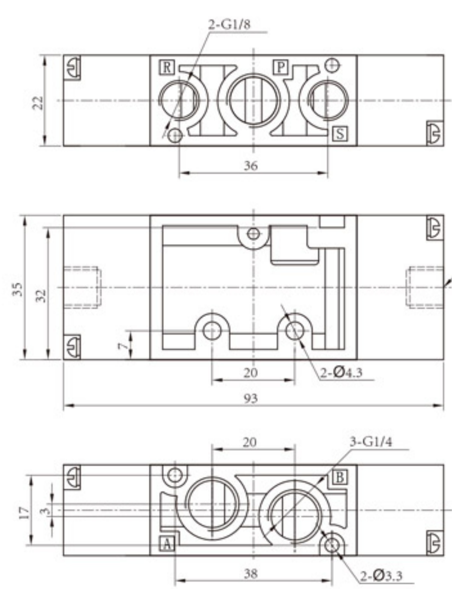
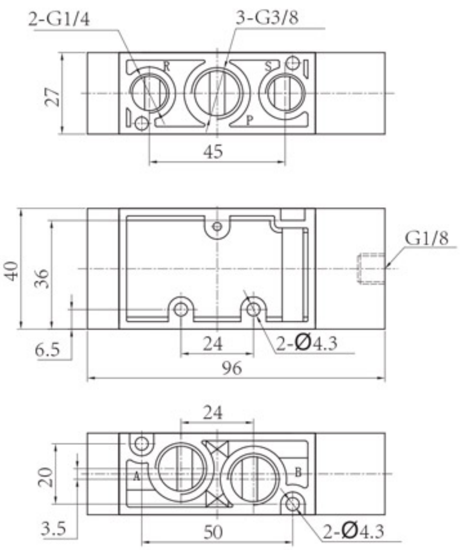
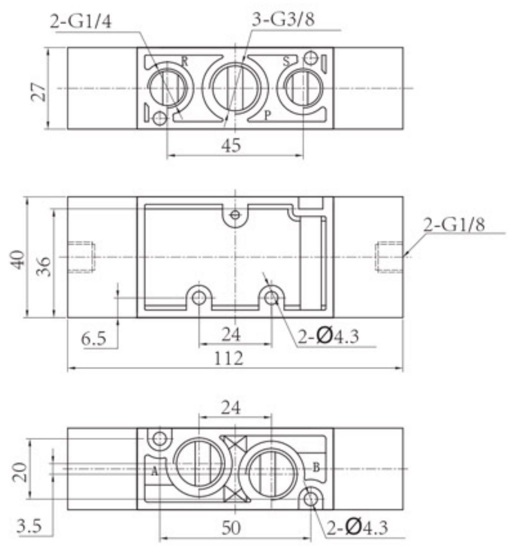


Figure Dimension

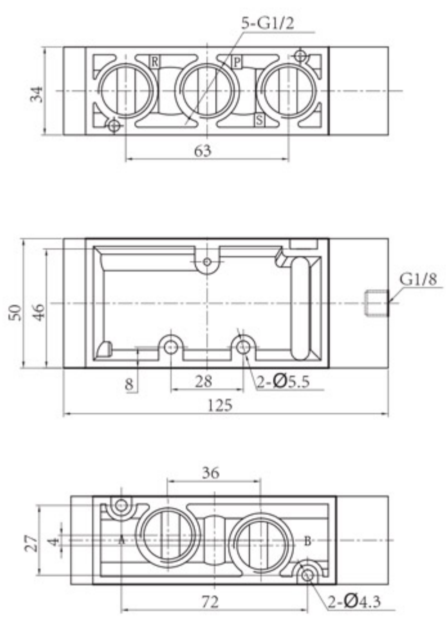
● TG2531FA-10



● TG2532FA-10



● TG2541FA-15



● TG2542FA-15

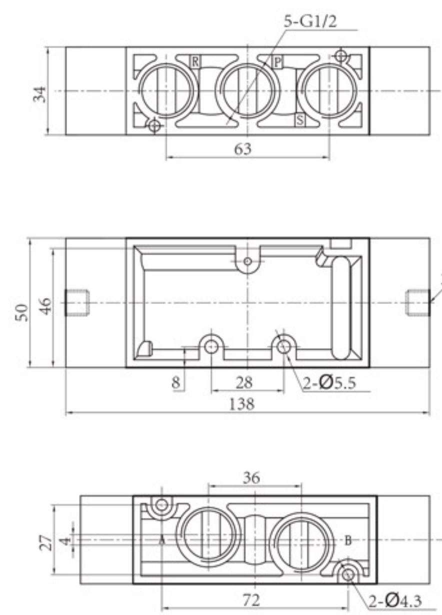
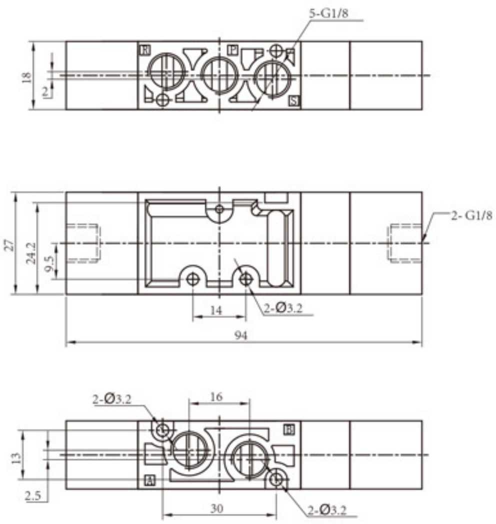
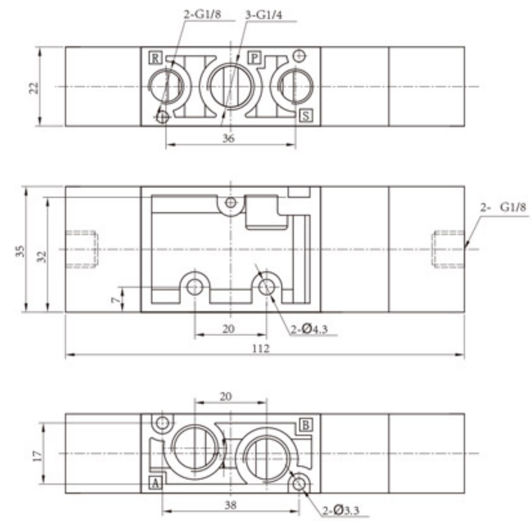


Figure Dimension

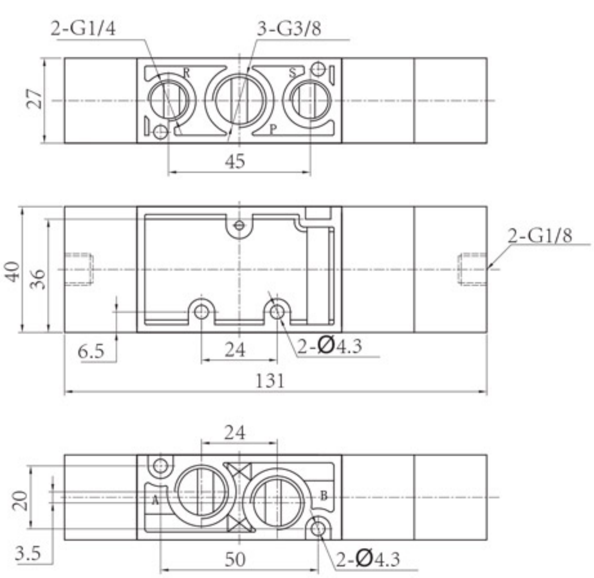
● TG3512FA–06C.E.P



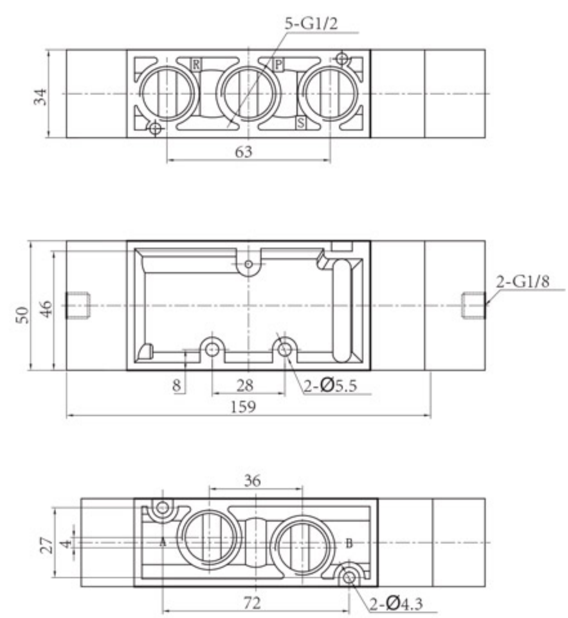
● TG3522FA–08C.E.P



● TG3532FA–10C.E.P



● TG3542FA–15C.E.P



ST Series Solenoid Valve

Character

It has the characteristics of low—consumption power and central exhaust of guiding valve and main valve, with small dimension, large fl ow, handsome shape, and quick action. It can be installed in integration, with good resistance to abrasion and long service life.

Graphics Sign

Single solenoid operated

Double solenoid operated

Ordering Code

ST 6 1 0 2 AC220V — C

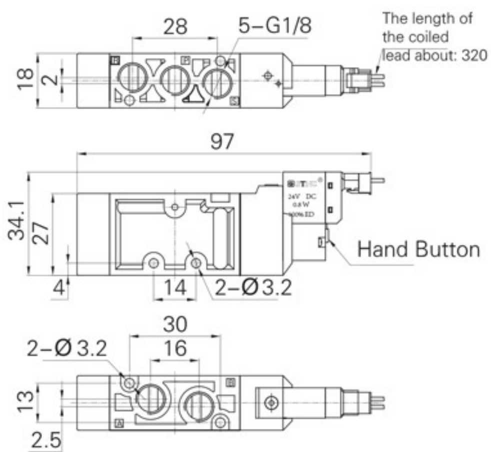
- **Code**: 5 : 500; 6 : 600; 8 : 800; 9 : 900
- **Coil number**: 1 : one coil; 2 : two coil
- **Valve Type**: 0 : 2 place; 3 : 3 place
- **Pipe size**: 1 : Rc1/8; 2 : Rc1/4; 3 : Rc3/8; 4 : Rc1/2
- **Standard voltage**: 24V/2.5W; AC110V/5VA; AC220V/5VA
- **Working Mode**: No Mark : 2 Positions; C : 3 PositionsClosed Center; E : 3 Positions Release Center; P: 3 Positions Pressed Center

Technical Parameter

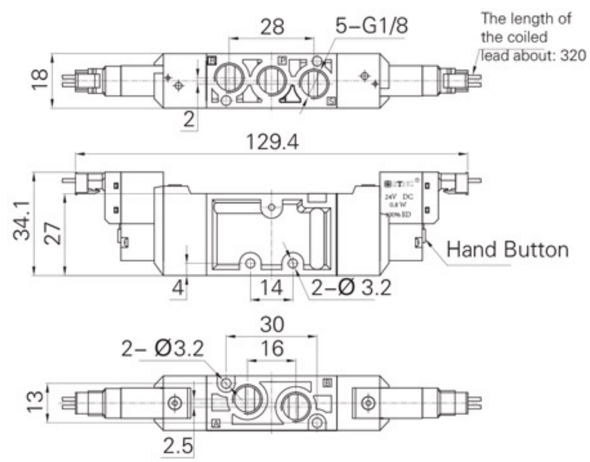
Specification	Function	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
ST5101	2 Positions/ 5 Ports	RC1/8	Air	0.15 ~ 0.7MPa	Internally Piloted	5 Cycles/Sec	Needless	−5 ~ 60°C
ST5201		RC1/8						
ST6102		RC1/4						
ST6202		RC1/4						
ST8103		RC3/8						
ST8203		RC3/8						
ST9104		RC1/2						
ST9204		RC1/2						
ST5231-C.E.P	3 Positions/ 5 Ports	RC1/8	Air	0.15 ~ 0.7MPa	Internally Piloted	5 Cycles/Sec	Needless	−5 ~ 60°C
ST6232-C.E.P		RC1/4						
ST8233-C.E.P		RC3/8						
ST9234-C.E.P		RC1/2						

Figure Dimension

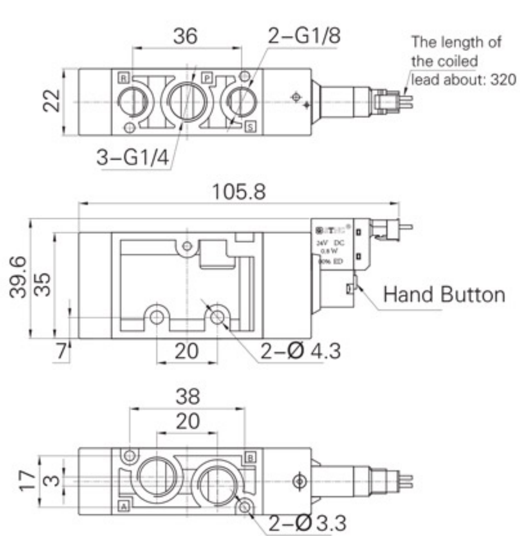
● ST5101



● ST5201



● ST6102



● ST6202

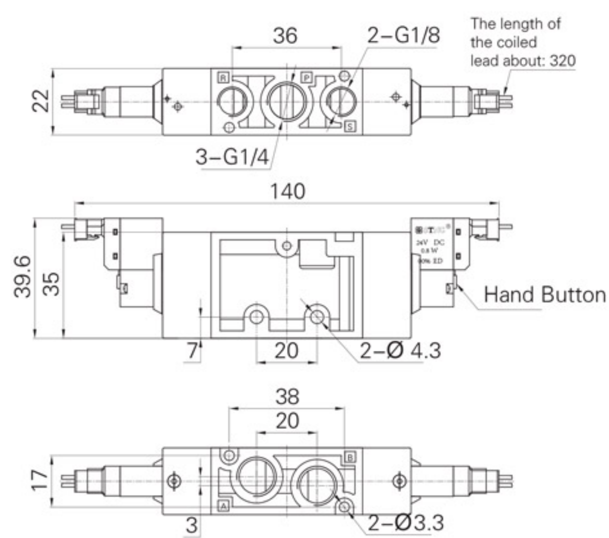
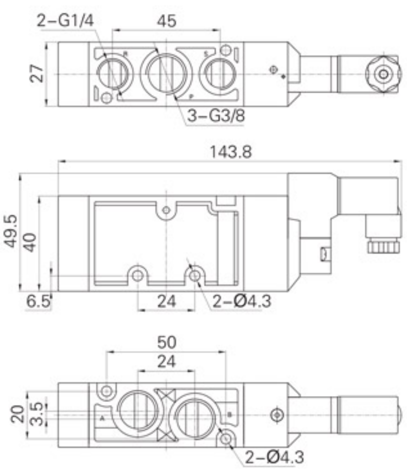
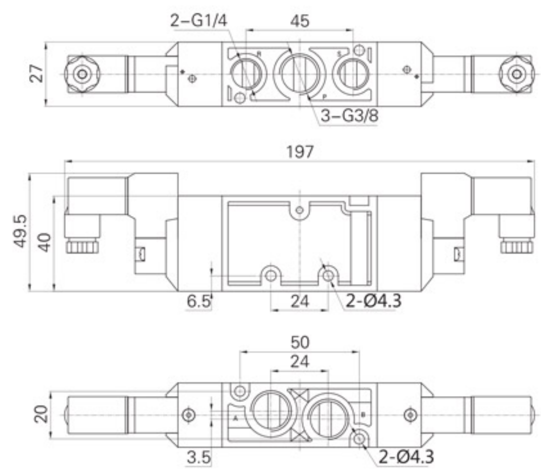


Figure Dimension

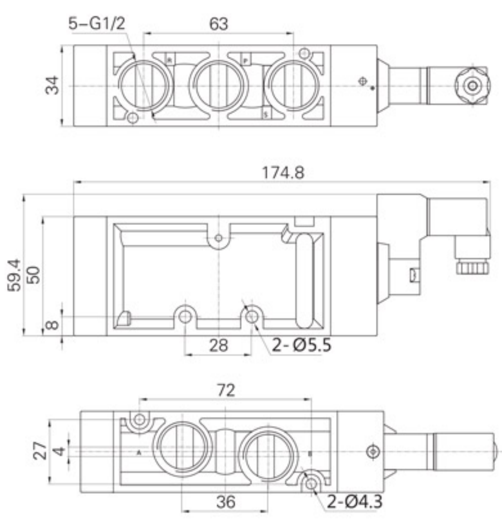
● ST8103



● ST8203



● ST9104



● ST9204

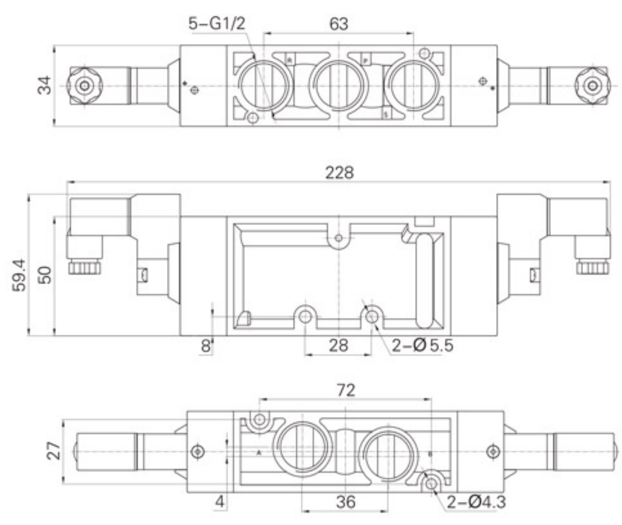
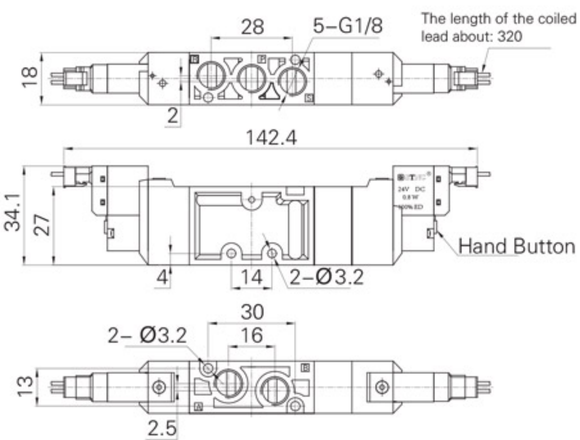
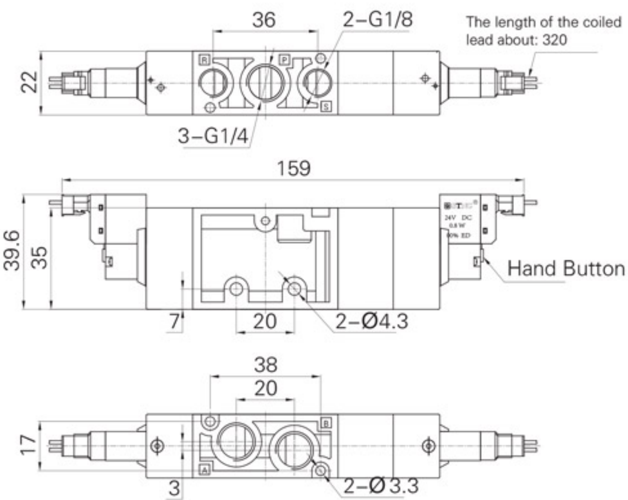


Figure Dimension

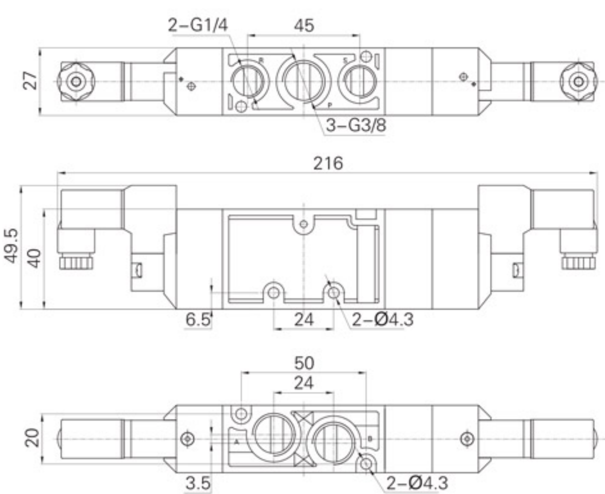
● ST5231–C.E.P



● ST6232–C.E.P



● ST8233–C.E.P



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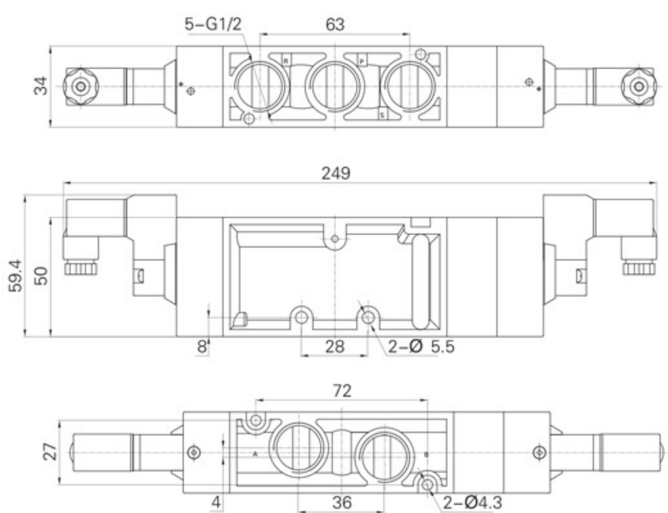
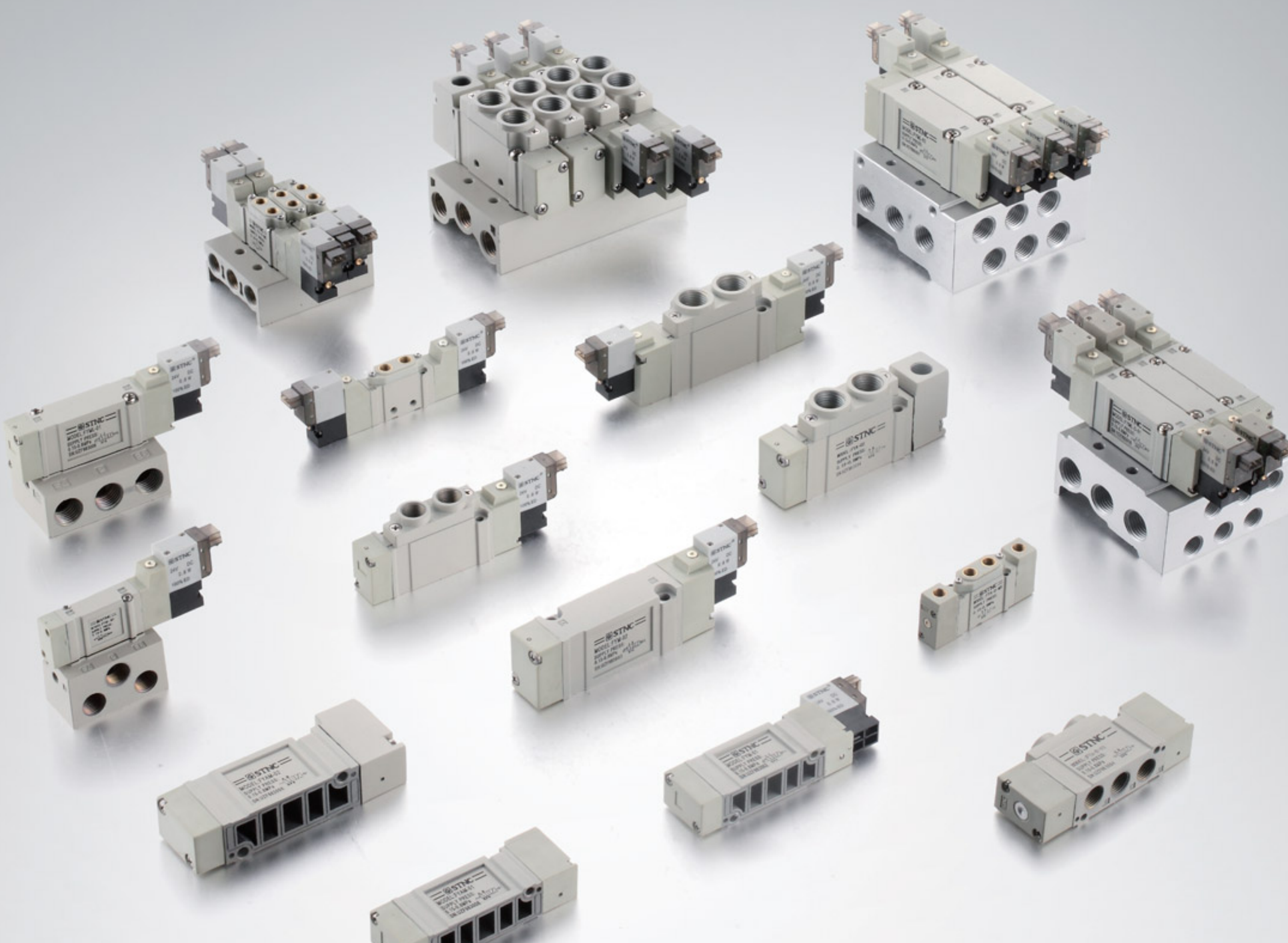


STNC



FY Series Solenoid Valve

Character

It has the characteristics of low-consumption power and central exhaust of guiding valve and main valve, with small dimension, large fl ow, handsome shape, and quick action. It can be installed in integration, with good resistance to abrasion and long service life.

Maintenance Notice

1. Be sure to check up the valve before installation.
2. Before installation, please confi rm the voltage connection and direction of the air fl ow are right.
3. Notice to be dustproof. It' s best to install a silencer or speed control silencer in front of solenoid valve.
4. Metal grain, dust and oil stain in pipes and fi ttings must be washed neatly before connected.

Ordering Code

FY — D — M5

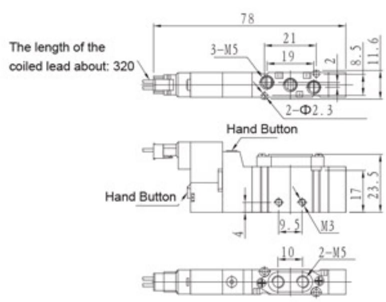
Series	Control Form	Connection Code
FY: Electronic Control	Blank: Single Air Operated	M5: M5
FYA: Air control	D: Double Air Operated	01: 1/8
	C: 3 Positions/5 Ports	02: 1/4

2 Positions/5 Ports Solenoid Valve

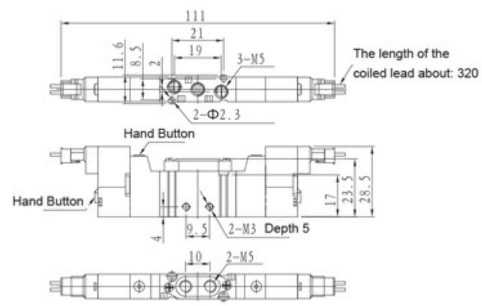
FY-M5

FY-D-M5

FY-M5



FY-D-M5

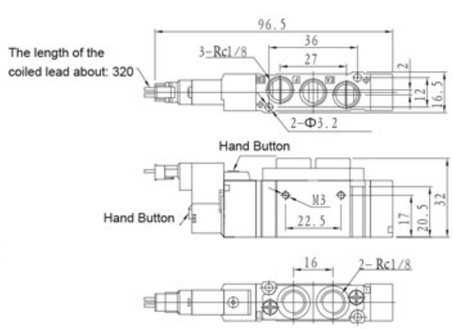


2 Positions/5 Ports Solenoid Valve

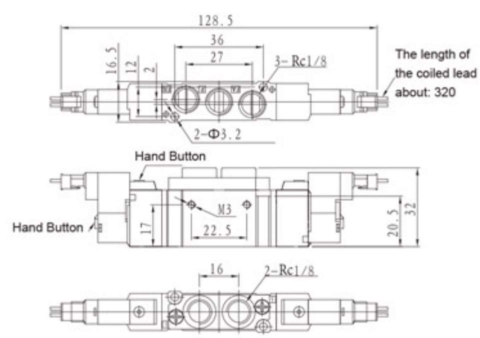
FY-01

FY-D-01

FY-01



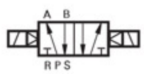
FY-D-01



FY Series Solenoid Valve

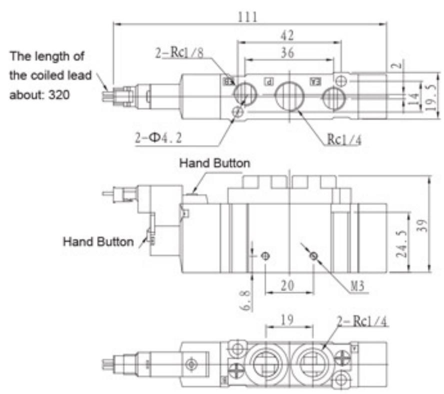
2 Positions/5 Ports Solenoid Valve

FY—02

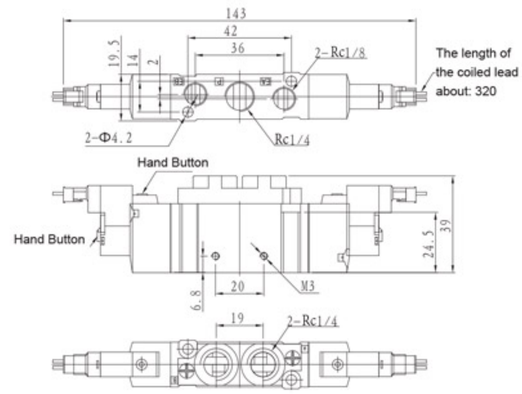


FY—D—02

FY—02



FY—D—02

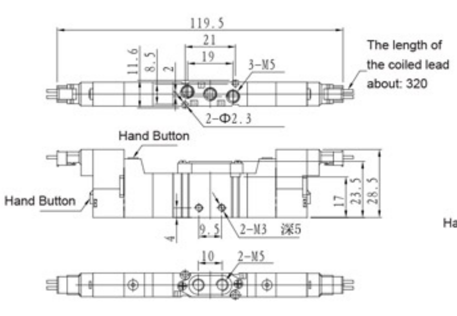


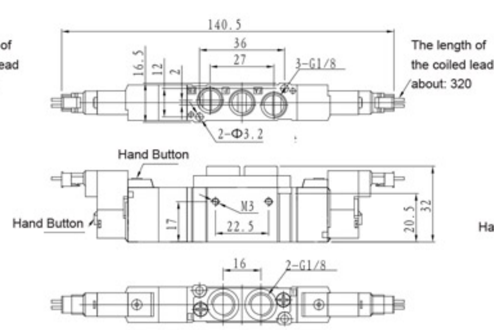
3 Positions/5 Ports Solenoid Valve

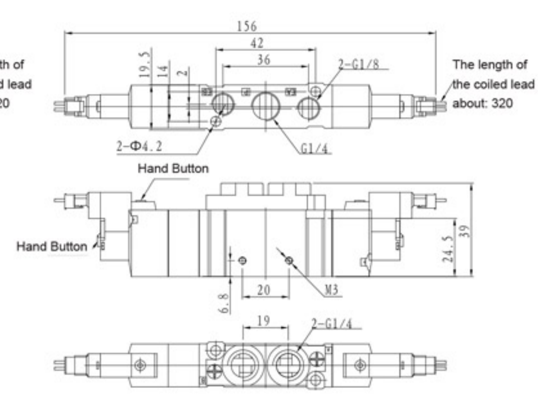
FY—C—M5

FY—C—01

FY—C—02







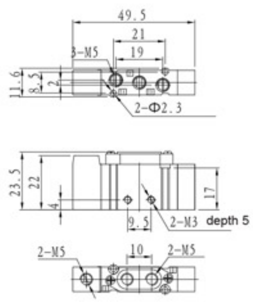
FY Series Air Valve

2 Positions/5 Ports Air Valve

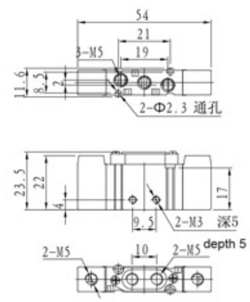
● FYA–M5

● FYA–D–M5

● FYA–M5



● FYA–D–M5

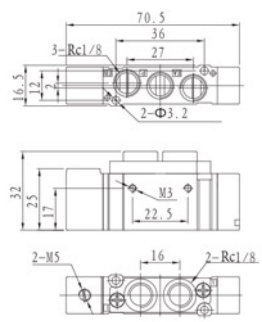


2 Positions/5 Ports Air Valve

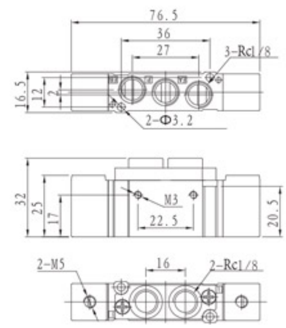
● FYA–01

● FYA–D–01

● FYA–01



● FYA–D–01

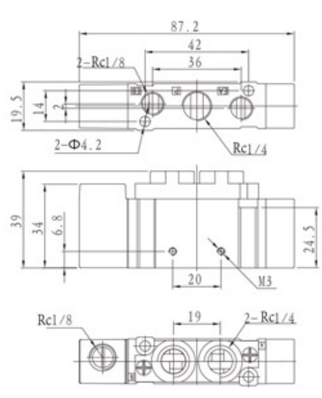


2 Positions/5 Ports Air Valve

● FYA–02

● FYA–D–02

● FYA–02



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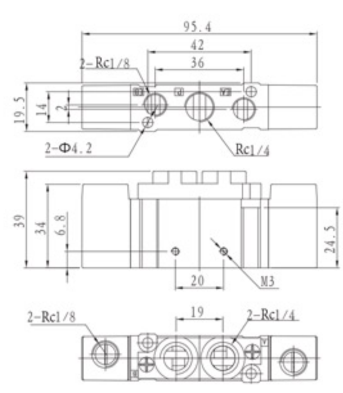


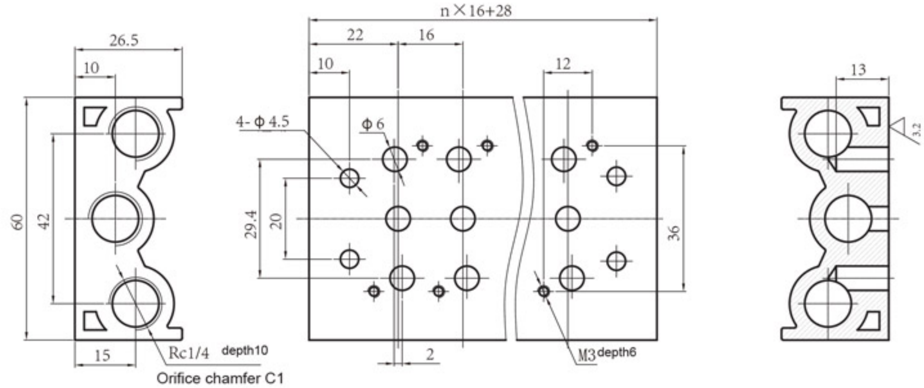
Ordering Code

FY — 100 — T

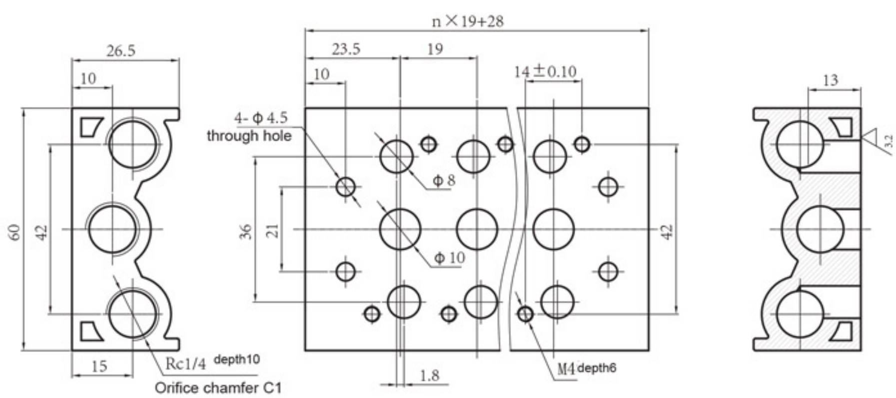
Series · Specification · T : Number of Connector

Figure Dimension

FY100



FY200



FY Series Manifold

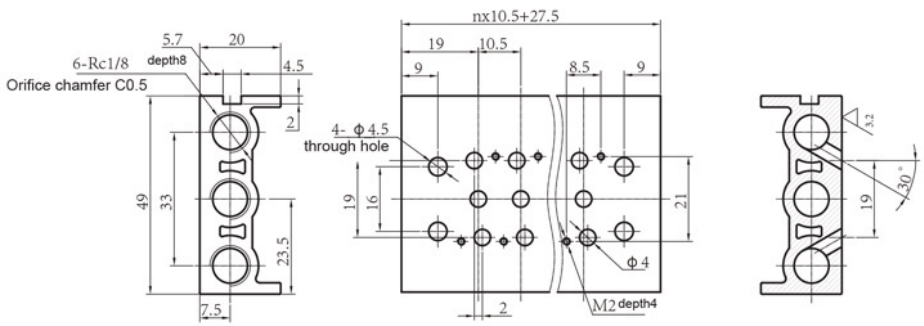
Ordering Code

FY 050 — T

Series | Specification | T : Number of Connector

Figure Dimension

FY50



Blank Plate For FY Series Manifold

FY200—B

Ordering Code

FY 100 — B

Series | Type: 50, 100, 200 | B: Blank Plate

FYM Series Bottom Joint Type Solenoid Valve

● Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi-valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

● Ordering Code

FYM — D — M5

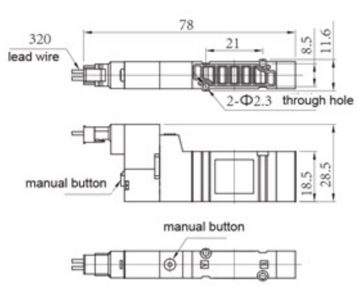
FYM	D	M5
Series FYM: Bottom joint type solenoid valve	Control Form Blank: Single Air Operated D: Double Air Operated C:3 Positions/5 Ports	Connection Code M5: M5 01: Rc1/8 02: Rc1/4

Technical Parameter

Specification \ Item	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature	Power
FYM–M5	2 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60°C	0.8W
FYM–D–M5		M5					
FYM–01		Rc1/8					
FYM–D–01		Rc1/8					
FYM–02		Rc1/4					
FYM–D–02		Rc1/4					
FYM–C–M5	3 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60°C	0.8W
FYM–C–01		Rc1/8					
FYM–C–02		Rc1/4					

Figure Dimension

● FYM–M5



● FYM–D–M5

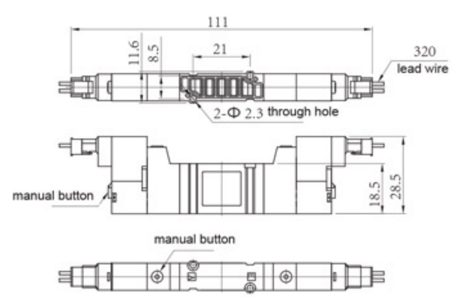
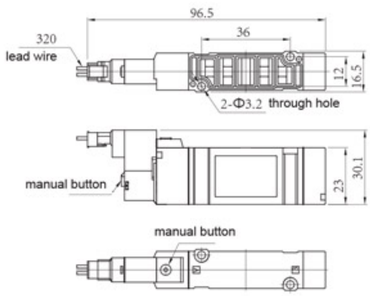
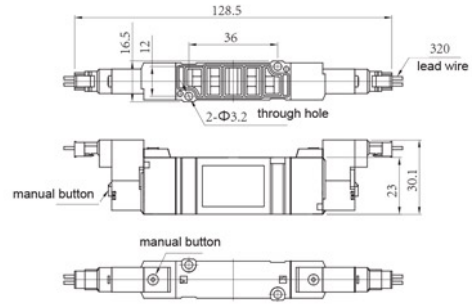


Figure Dimension

● FYM–01



● FYM–D–01



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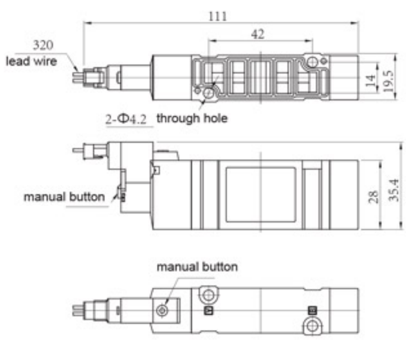
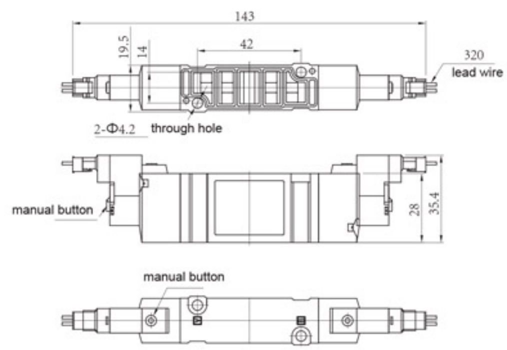
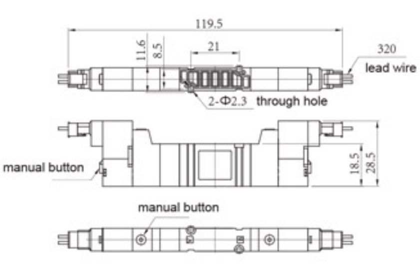


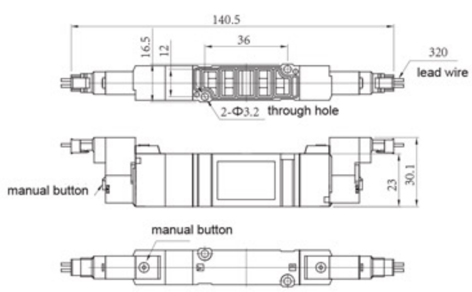
● FYM–D–02



● FYM–C–M5



● FYM–C–01



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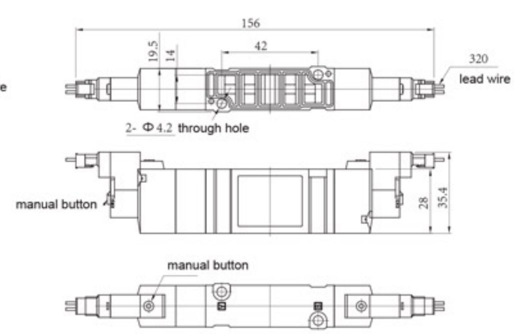


STNC®

FYML Series Bottom Joint Type Solenoid Valve

FYML-01

FYML-D-M5

● Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi-valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

● Ordering Code

FYML — D — M5

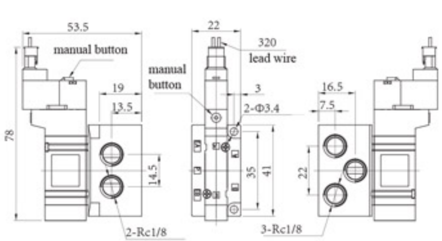
FYML	D	M5
Series FYML: Bottom joint type solenoid valve (with base)	Control Form Blank: Single Air Operated D: Double Air Operated C:3 Positions/5 Ports	Connection Code M5: M5 01: Rc1/8 02: Rc1/4

■ Technical Parameter

Item / Specification	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature	Power
FYML–M5	2 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60°C	0.8W
FYML–D–M5		M5					
FYML–01		Rc1/8					
FYML–D–01		Rc1/8					
FYML–02		Rc1/4					
FYML–D–02		Rc1/4					
FYMLC–D–M5	3 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60°C	0.8W
FYMLC–D–01		Rc1/8					
FYMLC–D–02		Rc1/4					

■ Figure Dimension

● FYML–M5



● FYML–D–M5

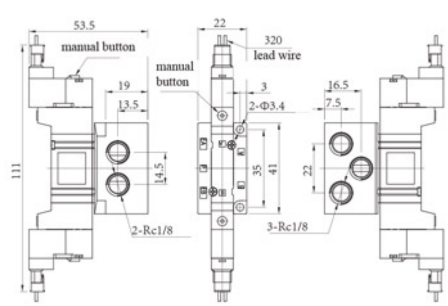
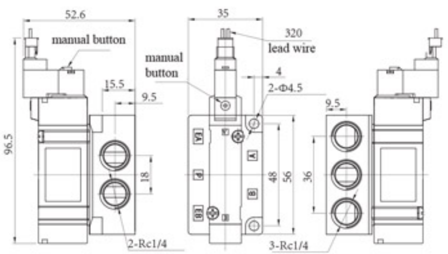


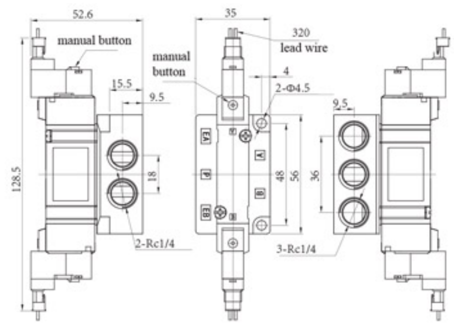
Figure Dimension

lead wire

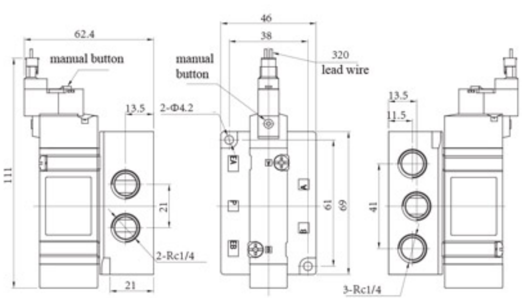
FYML–01



FYML–D–01



FYML–02



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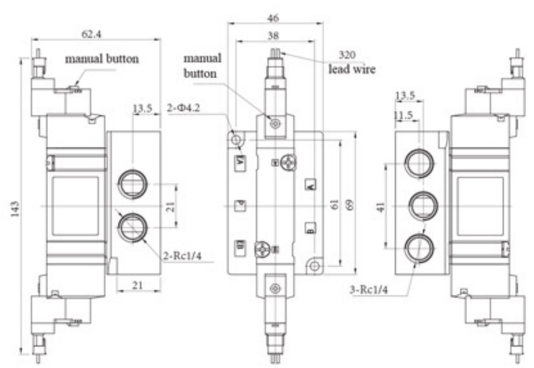
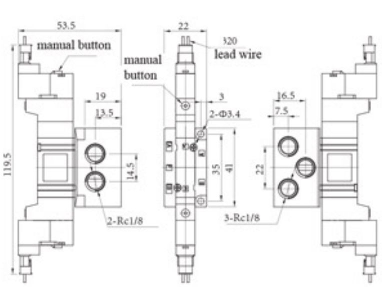
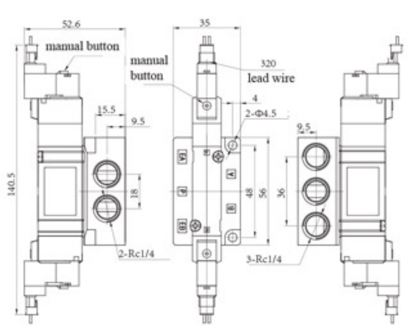


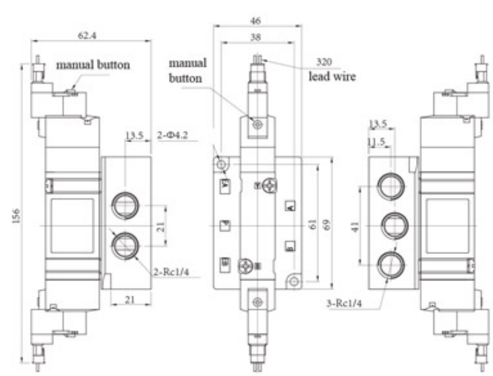
FYML–C–M5



FYML–C–01



FYML–C–02



STNC®

FYAM Series Bottom Joint Type Air Valve

FYAM-01

Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi–valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

Ordering Code

FYAM — D — M5

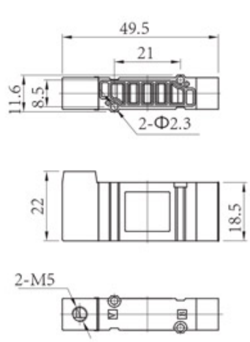
FYAM	D	M5
Series FYAM:Bottom joint type air valve	Control Form Blank: Single Air Operated D: Double Air Operated C:3 Positions/5 Ports	Connection Code M5: M5 01: Rc1/8 02: Rc1/4

Technical Parameter

Item / Specification	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature
FYAM–M5	2 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60℃
FYAM–D–M5		M5				
FYAM–01		Rc1/8				
FYAM–D–01		Rc1/8				
FYAM–02		Rc1/4				
FYAM–D–02		Rc1/4				
FYAMC–D–M5	3 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	–5 ~ 60℃
FYAMC–D–01		Rc1/8				
FYAMC–D–02		Rc1/4				

Figure Dimension

FYAM–M5



FYAM–D–M5

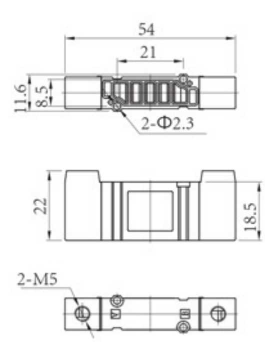
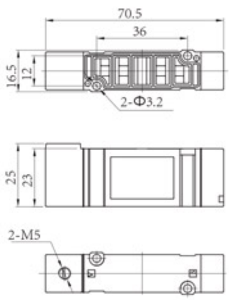
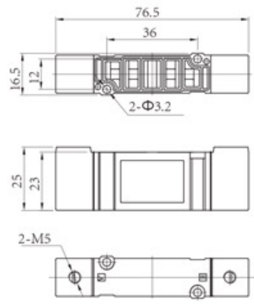


Figure Dimension

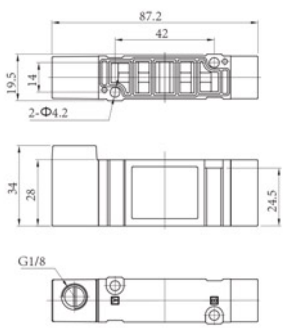
● FYAM–01



● FYAM–D–01



● FYAM–01



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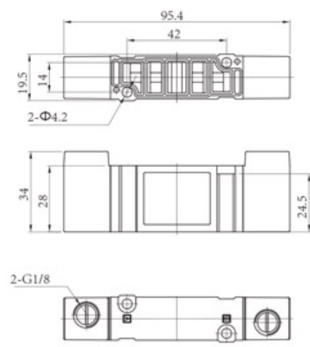
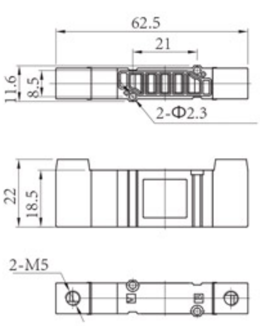
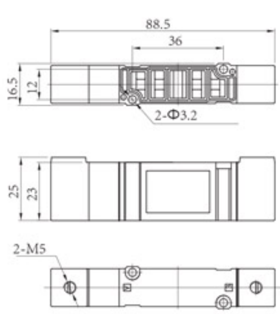


● FYAM–C–M5



● FYAM–C–01



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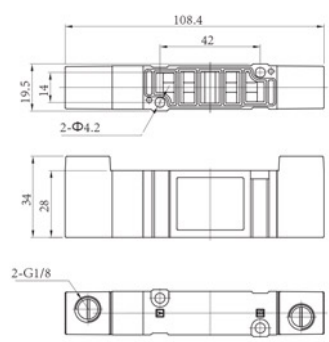


FYAML Series Bottom Joint Type Air Valve

FYAML-01

● Character

Valve body is Bottom connected structure, air inlet and air outlet are on the same plane, you can connect directly without pipe joint and other accessories. Multi-valves in series are valve terminal. Valve body is fabricated by pressure casting; inner bore is adopting special processing technology, small frictional drag, and high flow capacity.

● Ordering Code

FYAML — D — M5

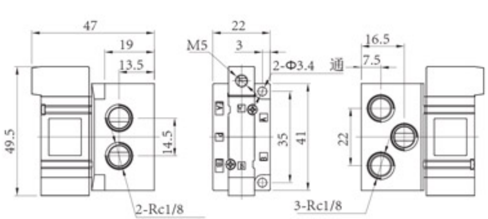
- **FYAML** — Series: FYAML:Bottom joint type air valve (with base)
- **D** — Control Form: Blank: Single Air Operated; D: Double Air Operated; C:3 Positions/5 Ports
- **M5** — Connection Code: M5: M5; 01: Rc1/8; 02: Rc1/4

■ Technical Parameter

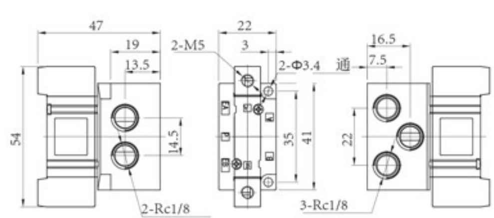
Specification \ Item	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature
FYAML—M5	2 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	−5 ~ 60°C
FYAML—D—M5		M5				
FYAML—01		Rc1/8				
FYAML—D—01		Rc1/8				
FYAML—02		Rc1/4				
FYAML—D—02		Rc1/4				
FYAMLC—D—M5	3 Positions/5Ports	M5	Air	0.15 ~ 0.7 MPa	Needless	−5 ~ 60°C
FYAMLC—D—01		Rc1/8				
FYAMLC—D—02		Rc1/4				

■ Figure Dimension

● FYAML—M5



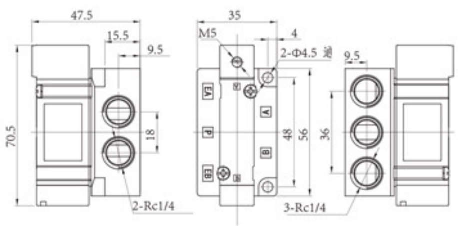
● FYAML—D—M5



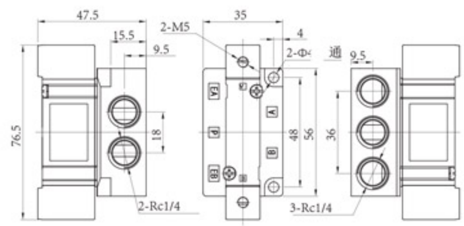
FYAML Series Bottom Joint Type Air Valve

Figure Dimension

● FYAM–01



● FYAM–D–01



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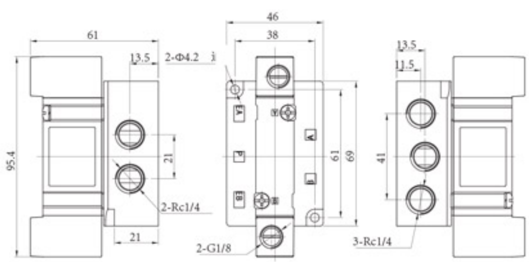

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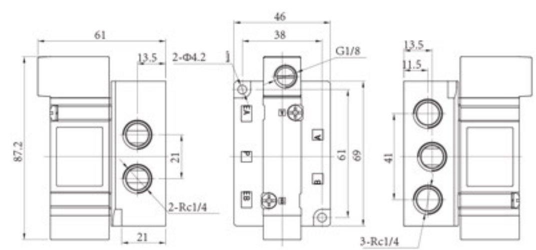

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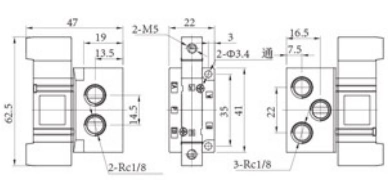

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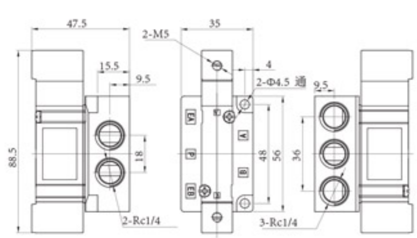
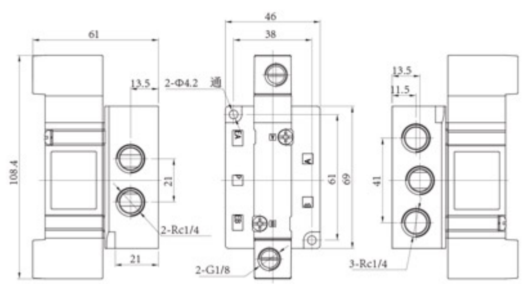


● FYAM–C–02



FYM Series Bottom Connected Manifold

FYM100–3T

FYM100–B

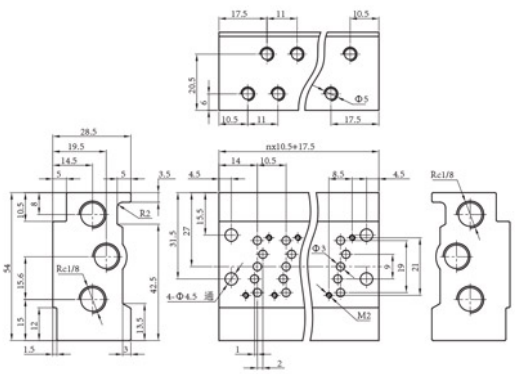
Ordering Code

FYM	050	—	T
Series	Type 050 100 200		Number of Connector 1-16T B:Blank Plate

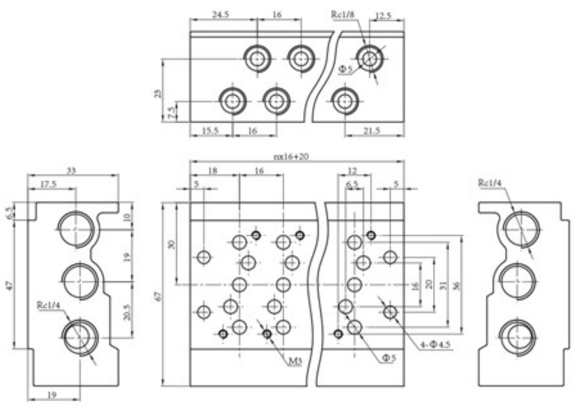
Note: 1 for die casting. 2 even for profiles.

Figure Dimension (Material base)

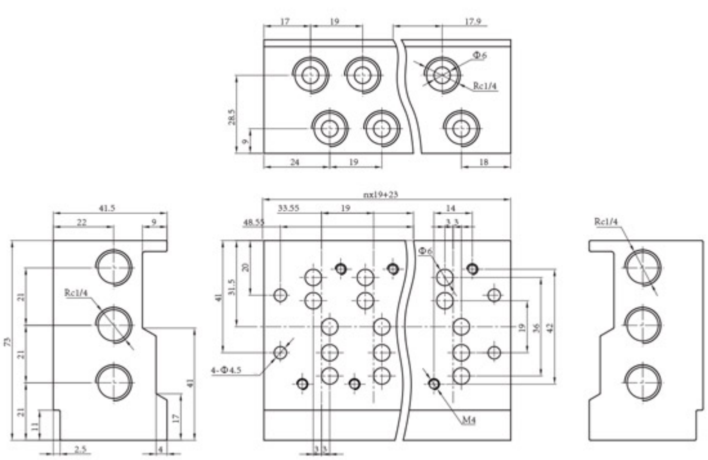
FYM050–3T



FYM100–3T

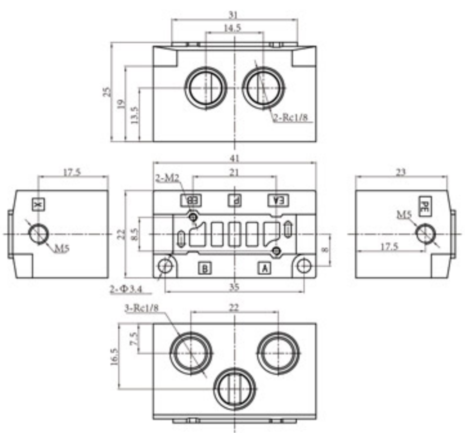


FYM200–3T

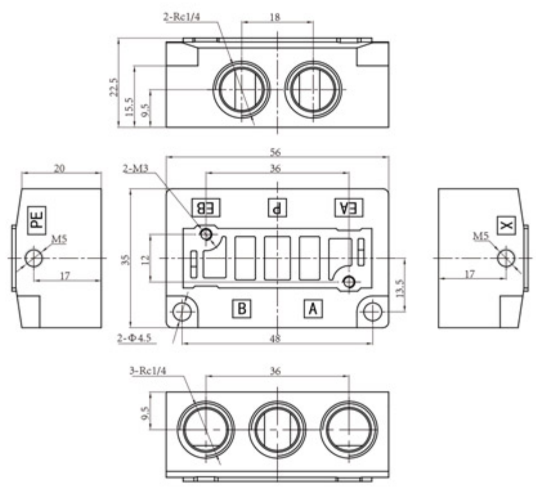


■ Figure Dimension (A single die casting base)

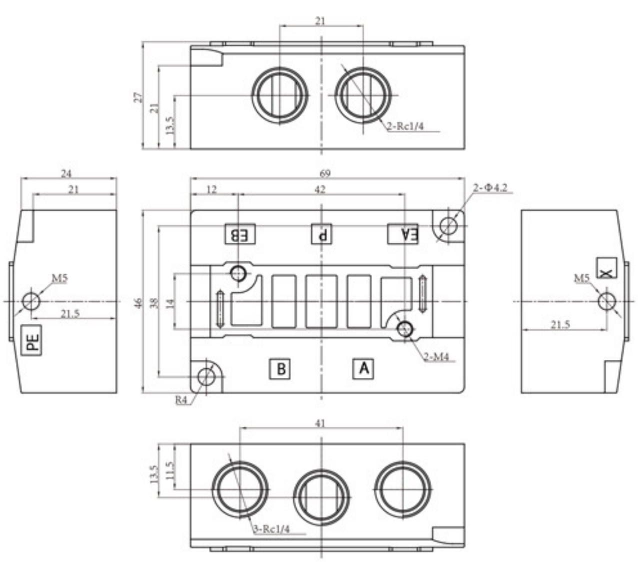
● FYM050



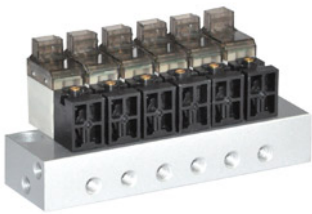
● FYM100



● FYM200



FYC Low Power Solenoid Valve



FYC–10–6

FYC–10

● Character

The product is small, compact structure. Can be combined modular. Coil power 0.9 or less, protection grade reaches IP65

Ordering Code

FYC — 10 — 8 — DC24V

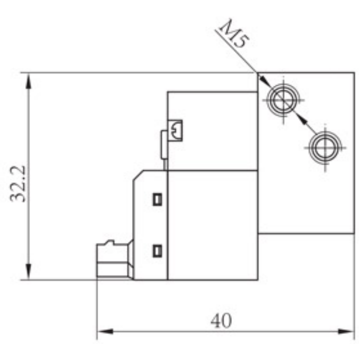
- FYC: Type
- 10: Size of the coil — 10: 10mm coil
- 8: Evev number — 1-20
- DC24V: Standared voltage — DC24V, DC12V

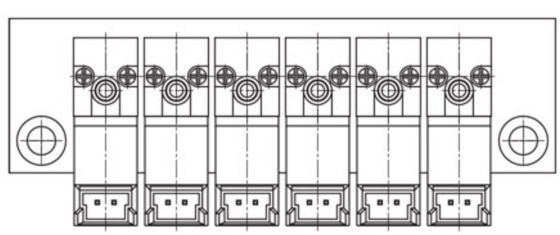
Technical Parameter

Item / Specification	Function	Pipe Size (mm)	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature
FYC–10	2 Positions 3 Ports	M5	0.6	Air	0 ~ 0.7MPa	Needless	–10 ~ 60°C

Item / Specification	Standared voltage	Voltage range	Power	Insulation class	Indicates away	Working frequency	Response time	Protection measures
FYC–10	DC24V/12V	±10%	0.7W	H	Led	> 30Hz	6 ~ 8ms	Dust proof

Figure Dimension

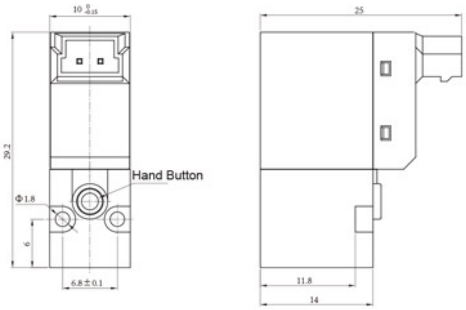




FYC–10–6

FYC Low Power Solenoid Valve

Figure Dimension



● FYC—10

Solenoid specifications

Item / Specification	through hole(mm)	Pressure MIN	Pressure MAX	Power
FYC—10	0.6	0	7	0.7

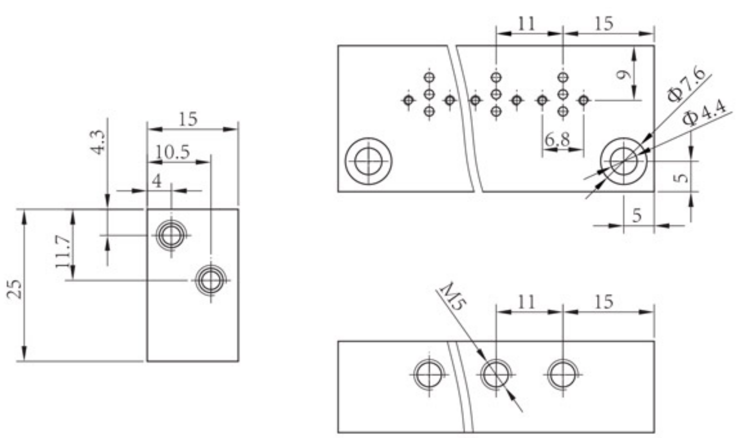
FYC—10 Manifold

Ordering Code

FYC — 10 5T

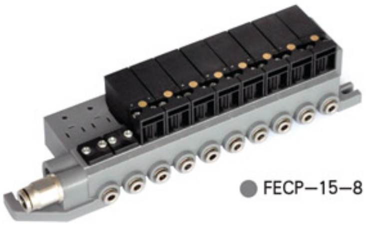
- FYC: Type
- 10: Size of the coil
  10: 10mm coil
- 5T: Evev number
  1-20T

Figure Dimension



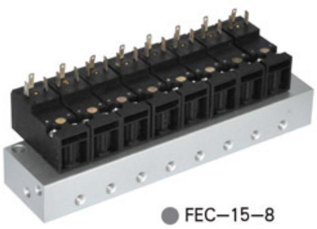
STNC®

FEC Low Power Solenoid Valve



● FECP−15−8

● FEC−15



● FEC−15−8

● Character

Low power, suitable for cleaning and used in the electronic environment, high sensitivity.

1, pay attention to check whether the element is damaged prior to use, and then install and use.

2. When installation, please note that the gas flow direction and take over whether it is right, the voltage is in accordance with the requirements.

3. Please note that the dust, it is recommended that the installation of muffler, or throttle valve.

4.Connection pipe, pipe fittings, and pay attention to eliminate the metal particles inside the pipe, dust, oil, etc.

● Ordering Code

FEC — 15 — 8 — DC24V

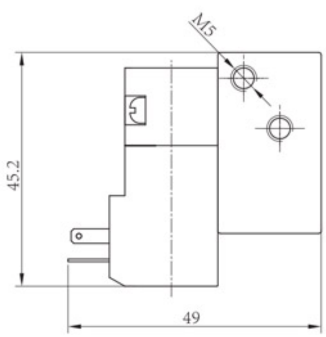
- FEC: Type
  - FEC: low power solenoid valve
  - FECP:low power plastic solenoid valve
- 15: Size of the coil
  - 15: 15mm coil
- 8: Evev number
  - 1-20
- DC24V: Standadred voltage
  - DC24V
  - DC12V

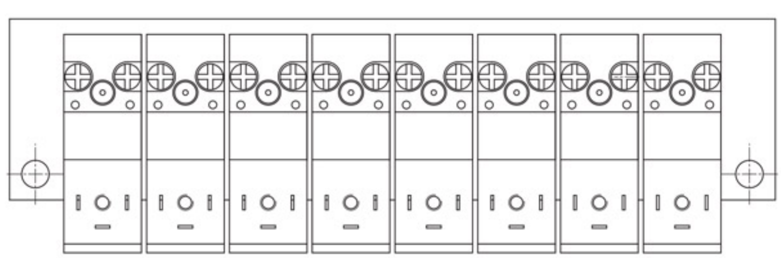
■ Technical Parameter

Item / Specification	Function	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature
FEC−15 FECP−15	2 Positions 3 Ports	1.5mm	Air	0 ~ 0.6MPa	Needless	−10 ~ 60°C

Item / Specification	Standared voltage	Voltage range	Power	Insulation class	Indicates away	Working frequency	Response time	Protection measures
FEC−15 FECP−15	DC24V/12V	±10%	2.5W	H	Led	> 30Hz	6 ~ 8ms	Dust proof

■ Figure Dimension

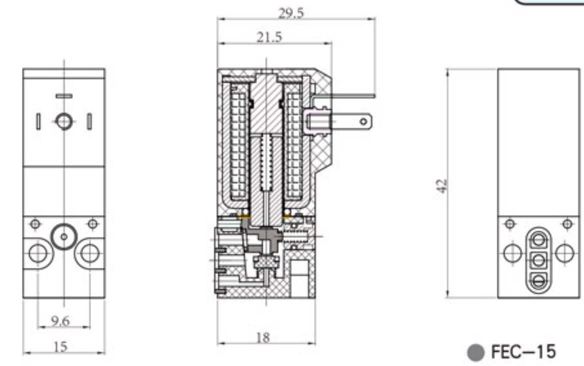




● FEC−10−8

FEC Low Power Solenoid Valve

Figure Dimension



● FEC—15

Solenoid specifications

Item / Specification	through hole 1(mm)	through hole 2(mm)	Flow (NL/min)	Pressure		Power	
				MIN(bar)	MAX(bar)	DC(W)	AC(VA)
FEC15□1	0.9	1.1	18	0	8	2	3
FEC15□2	1.5	1.5	28	0	6	2.7	3

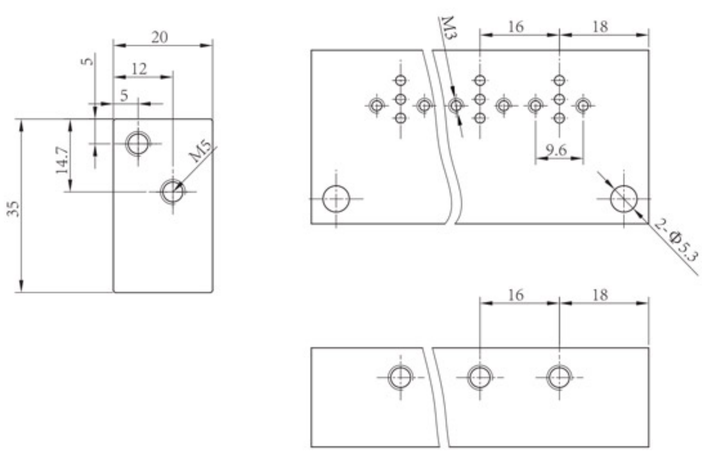
FEC—15 Manifold

● Ordering Code

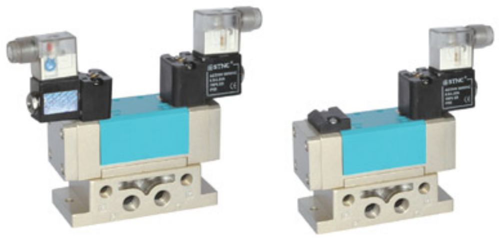
FEC — 15 5T

- FEC: Type
  - FEC: low power solenoid valve
  - FECP: low power plastic solenoid valve
- 15: Size of the coil
  - 15: 15mm coil
- 5T: Evev number
  - 1-20T

Figure Dimension




STNC
STNC
STNC



ISO5599-1 Sliding plate ceramic seal solenoid valve

● Character

The product adopts ceramic seal switch technology. Long service time; Large flow; lower force of friction; Insensitive to air quality. You can choose internally piloted or externally piloted for air supply.

● Ordering Code

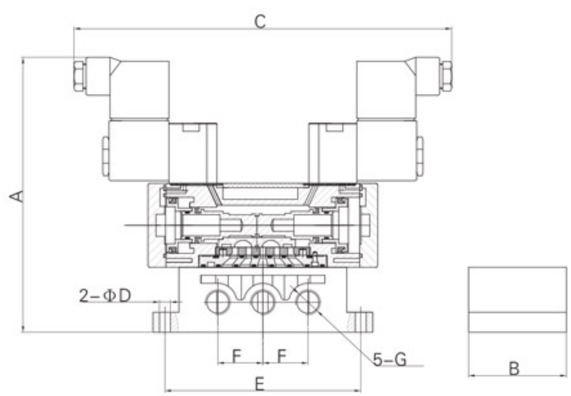
VIX 25 2 1 — 08 C AC220V

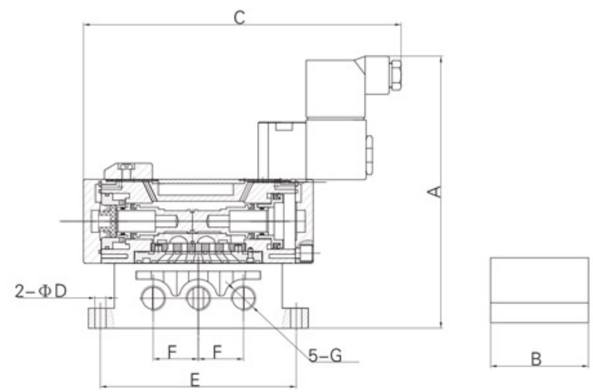
- VIX: Series
- 25: Function — 25: 2 positions/5 Ports
- 2: Connection Code — 2:1/4, 3: 3/8, 4: 1/2
- 1: Control Form — 1: Single solenoid operated, 2: Double solenoid operated
- 08: Pipe size — 08: G1/4, 10: G3/8, 15: G1/2
- C: C: Closed Center, E: Release Center, P: Pressed Center
- AC220V: Standard voltage — DC24V, AC110V, AC220V

■ Technical Parameter

Specification \ Item	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Lubrication	Medium Temperature	Power
VIX2521-08	2 Positions 5Ports	G1/4	Air	0.15 ~ 1.0MPa	Needless	-5 ~ 60°C	AC220V: 5VA DC24V: 4.8W
VIX2522-08							
VIX2531-10	2 Positions 5Ports	G3/8					AC220V: 8.5VA DC24V: 7W
VIX2532-10							
VIX2541-15	2 Positions 5Ports	G1/2					
VIX2542-15							

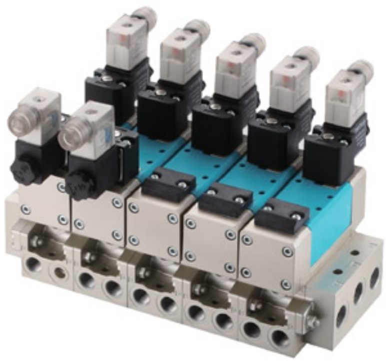
■ Figure Dimension





Type	A	B	C	D	E	F	G
VIX2521-08	137.5	48	160	φ5.5	98	23	G1/4
VIX2522-08	137.5	48	190	φ5.5	98	23	G1/4
VIX2531-10	160	57	170	φ6.6	112	27	G3/8
VIX2532-10	160	57	205	φ6.6	112	27	G3/8
VIX2541-15	165	71	197	φ6.6	136	42	G1/2
VIX2542-15	165	71	226	φ6.6	136	42	G1/2

ISO5599-1 Sliding plate ceramic seal solenoid valve



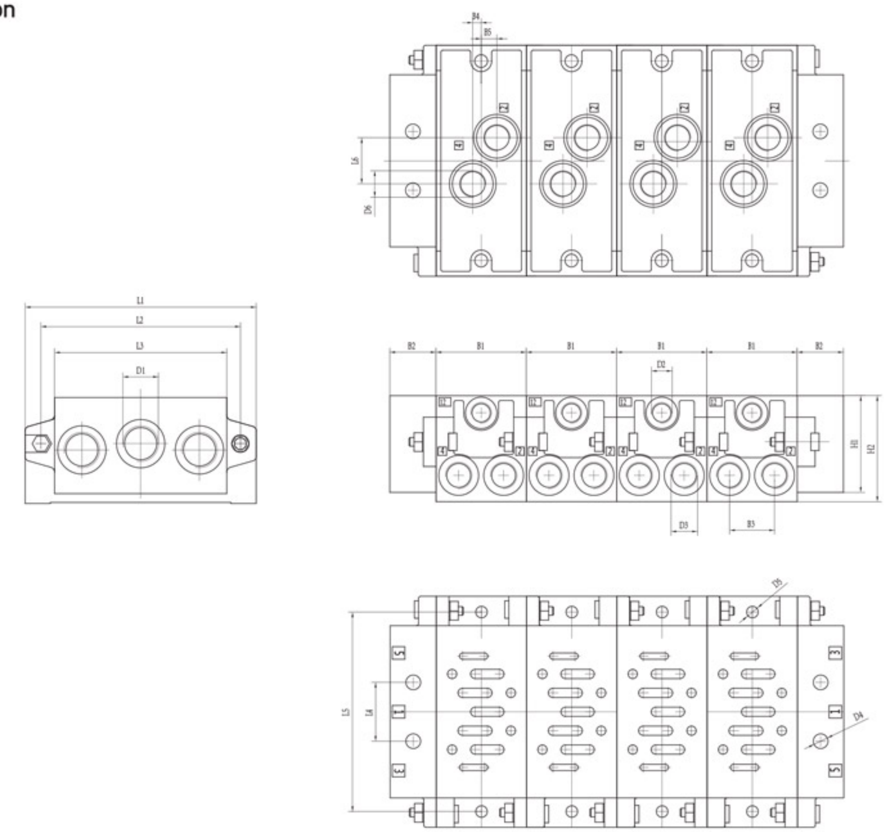
● Character

The product adopts ceramic seal switch technology. Long service time; Large flow; lower force of friction; Insensitive to air quality. You can choose internally piloted or externally piloted for air supply.

Select the external air supply

In order to operate at low pressure, the air inlet 14 may be connected to an external pressure on the two electromagnetic supply. The only method of changing the seat back gasket assembly.

■ Figure Dimension



Type	B1	B2	B2	D1	D2	D3	D4	D5	D6	H1	H2	L1	L2	L3	L4	L5	L6
ISO 1	43	22	21.5	G3/8	G1/8	G1/4	ϕ7	ϕ5.5	G1/4	46	50.5	110	95	82	28	95	22
ISO 2	56	26	27	G1/2	G1/8	G3/8	ϕ9	ϕ6.6	G3/8	47	60	135	115	96	35	115	28
ISO 3	71	30	35	G1	G1/8	G1/2	ϕ12	ϕ9	G1/2	56	66	190	168	148	52	168	38

ISO5599—1 Manifold

● VIX—1/4B—ISO

● Ordering Code

VIX — 1/4B — ISO

Series

Pipe size
1/4B:G1/4
3/8B:G3/8
1/2B:G1/2

● VIX—1C—ISO

● Ordering Code

VIX — 1C — ISO

Series

Pipe size
1C:G3/8
2C:G1/2
3C:G1

LHF Series Solenoid Valve

● Character

It is a pneumatic valve controlled by micro electric signal, with small dimension, large fl ow, handsome shape,reliable performance and long service life. It can be installed in the integration.

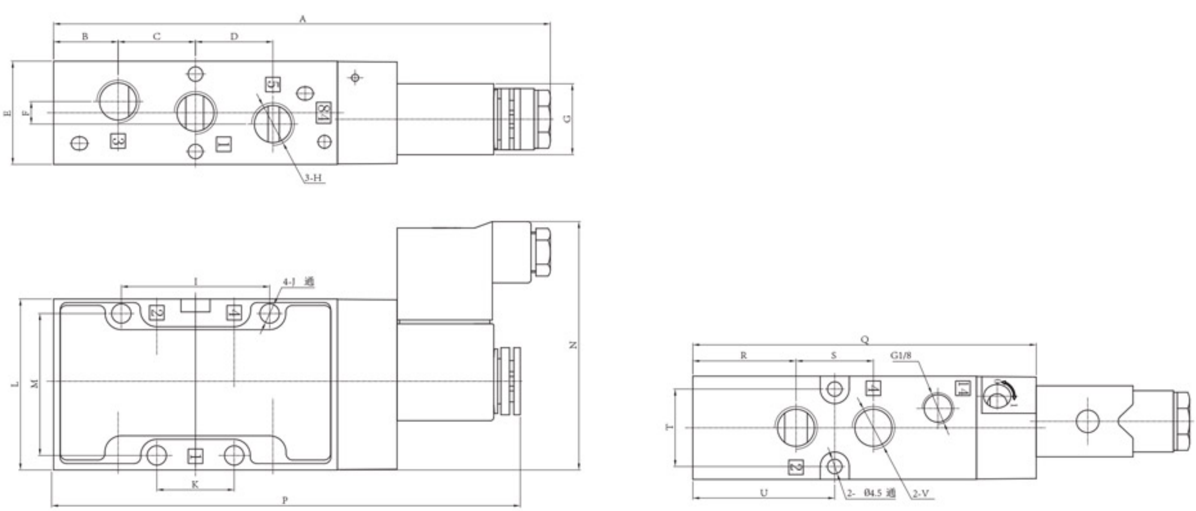
● Ordering Code

LHF	25	2	1	—	08	AC220V
Series	Function 25: 2 positions/5 Ports	Connection Code 2: 1/4	Control Form 1: Single solenoid operated		Pipe size 08: G1/4	Standard voltage DC24V AC110V AC220V

■ Technical Parameter

Item / Specification	Function	Pipe Size	Applicable Medium	Applicable Pressure Range	Max Action Fequency	Lubrication	Medium Temperature	Power
LHF2511—06	2 Positions/ 5Ports	G1/8	Air	0.25 ~ 0.8MPa	5 Cycles/Sec	Needless	−5 ~ 60°C	AC220V: 5VA DC24V: 4.8W
LHF2521—08	2 Positions/ 5Ports	G1/4	Air	0.25 ~ 0.8MPa	5 Cycles/Sec	Needless	−5 ~ 60°C	

■ Figure Dimension



Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V
LHF2511—06	143	17.5	21	21	26	7	22	G1/8	41	Ø5	21	47	40	73	136	95.5	27.5	22	19.5	38.5	G1/8
LHF2521—08	155	20	24	24	32	7	22	G1/4	46	Ø6	24	53	44	80	146	106.5	32	24	24	44	G1/4

LHF Series Solenoid Valve

● LHF100

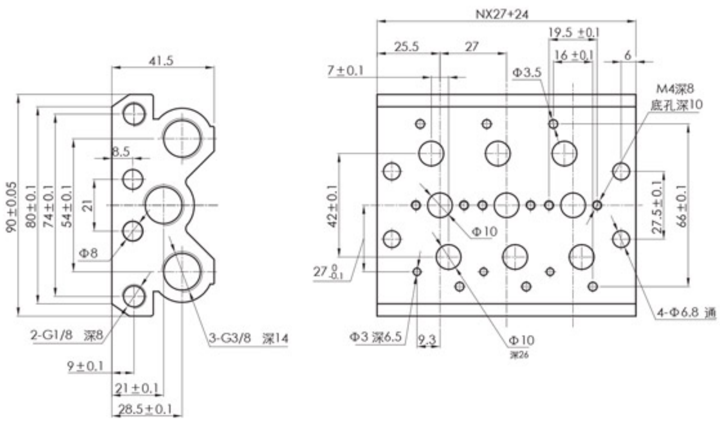
● LHF200

● Ordering Code

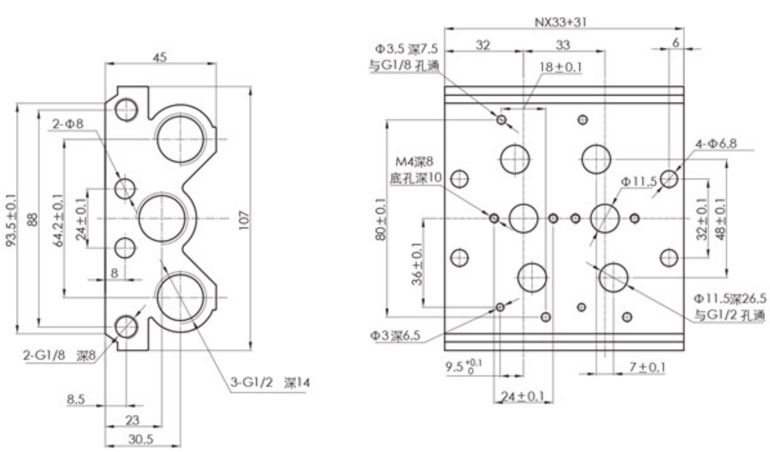
LHF	100	—	T
Series	Type 100 200		Number of Connector 100 : 1—16 200 : 1—16

■ Figure Dimension

● LHF100



● LHF200



FG Series Solenoid Valve

● Character

It has the characteristics of low-consumption power and central exhaust of guiding valve and main valve, with small dimension, large flow, handsome shape, and quick action. It can be installed in integration, with good resistance to abrasion and long service life.

Ordering Code

FG 25 2 1 — 08 C L AC220V

- **FG** — Series
- **25** — Function: 25 : 2 Positions/5Ports
- **2** — Connection Code: 1: 1/8; 2 : 1/4; 3 : 3/8; 4 : 1/2; 6: 3/4; 8: 1
- **1** — Control Form: 1 : Single Solenoid Operated; 2 : Double Solenoid Operated
- **08** — Pipe size: 06: G1/8; 08 : G1/4; 10 : G3/8; 15: G1/2; 20: G3/4; 25: G1
- **C** — Working Mode: No Mark : 2 Positions; C : 3 Positions Closed Center
- **L** — Plug Mode: No Mark : Lead Wire; L:DIN Terminal with Light
- **AC220V** — Standard Voltage: DC24V; AC110V; AC220V

Solenoid specifications

Allowable Voltage Range		±10%
Insulated Grade		Class B or Equivalent
Response Time		0.05 Sec
Power Consumption	AC	Start : 5.6VA, Keep on : 5.4VA
	DC	4W
Surge Voltage Suppressor		AC:Varistor, DC:Diode
Indicator Light		Neon Light、LED

● Maintenance Notice

1.Be sure to check up the valve before installation.
2.Before installation, please confi rm the voltage connection and direction of the air fl ow are right.
3.Notice to be dustproof. It's best to install a silencer or speed control silencer in front of solenoid valve.
4.Metal grain, dust and oil stain in pipes and fi ttings must be washed neatly before connected.

Technical Parameter

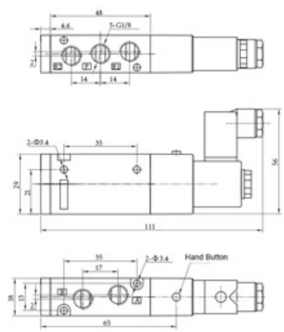
Specification \ Item	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature
FG2511−06L	2 Positions/5Ports	G1/8	6	Air	0.15 ~ 0.9 MPa	Internally Piloted	5 Cycles/Sec	Needless	−5 ~ 60°C
FG2512−06L		G1/8	6						
FG2521−08L		G1/4	8						
FG2522−08L		G1/4	8						
FG2531−10L		G3/8	10						
FG2532−10L		G3/8	10						
FG2541−15L		G1/2	15						
FG2542−15L		G1/2	15						
FG2561−20L		G3/4	20						
FG2562−20L		G3/4	20						
FG2581−25L		G1	25						
FG2582−25L		G1	25						
FG3512−06CL	3 Positions/5Ports	G1/8	6		0.2 ~ 0.9 MPa		3 Cycles/Sec		
FG3522−08CL		G1/4	8						
FG3532−10CL		G3/8	10						
FG3542−15CL		G1/2	15						
FG3562−20CL		G3/4	20						
FG3582−25CL		G1	25						

2 Positions/5 Ports Solenoid Valve

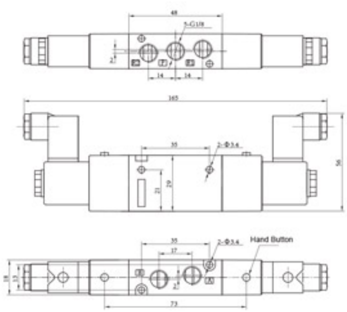



FG2511–06L FG2512–06L

FG2511–06L

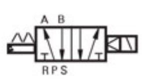
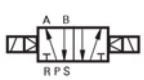


FG2512–06L



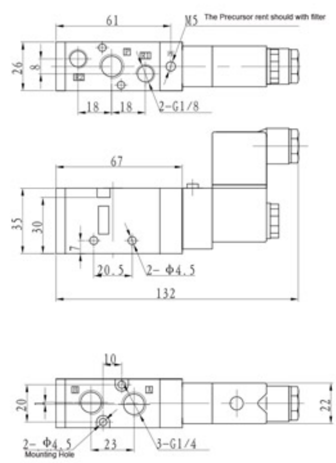
2 Positions/5 Ports Solenoid Valve



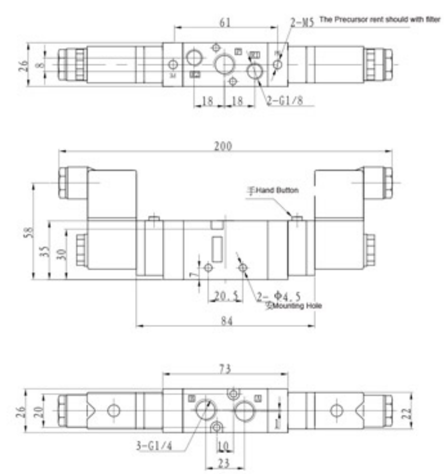



FG2521–08L FG2522–08L

FG2521–08L

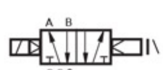


FG2522–08L



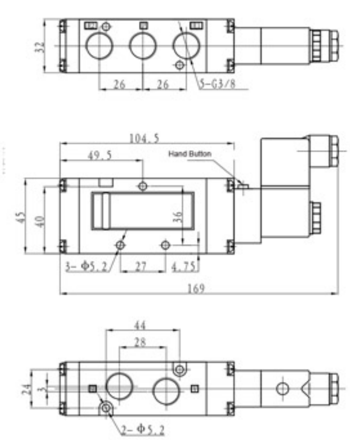
2 Positions/5 Ports Solenoid Valve



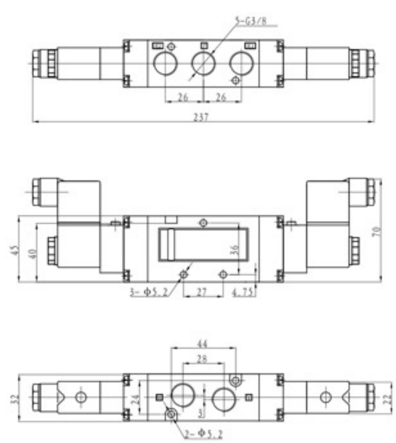



FG2531–10L FG2532–10L

FG2531–10L



FG2532–10L

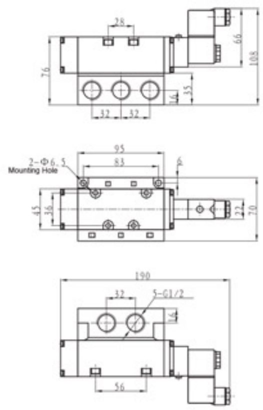


2 Positions/5 Ports Solenoid Valve

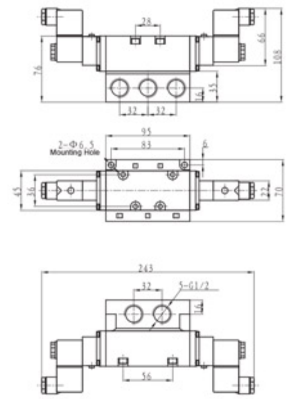
● FG2541-15L

● FG2542-15L

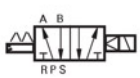
● FG2541-15L



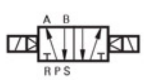
● FG2542-15L



2 Positions/5 Ports Solenoid Valve

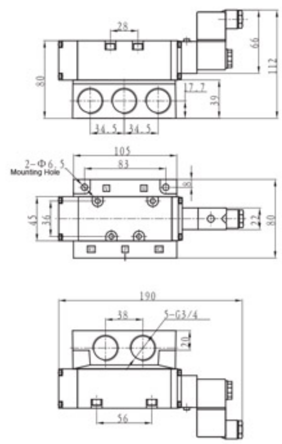


● FG2561-20L



● FG2562-20L

● FG2561-20L



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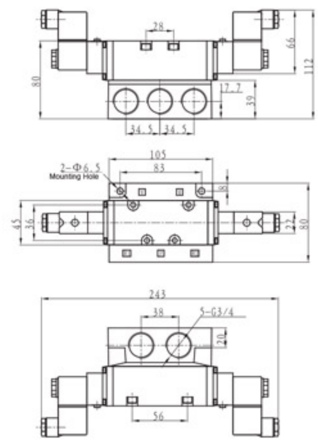
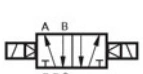


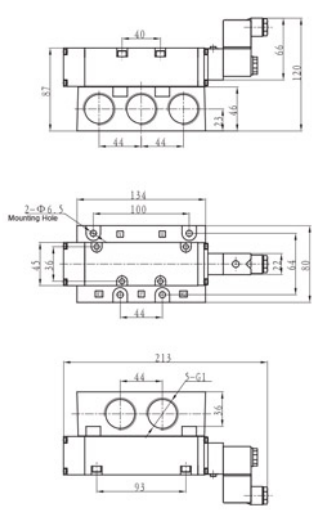
2 Positions/5 Ports Solenoid Valve

● FG2581-25L

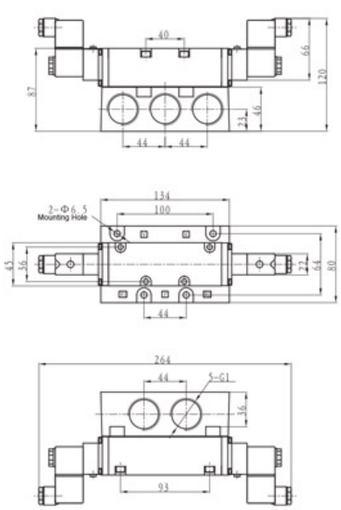


● FG2582-25L

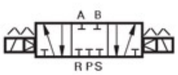
● FG2581-25L

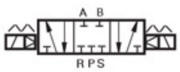


● FG2582-25L



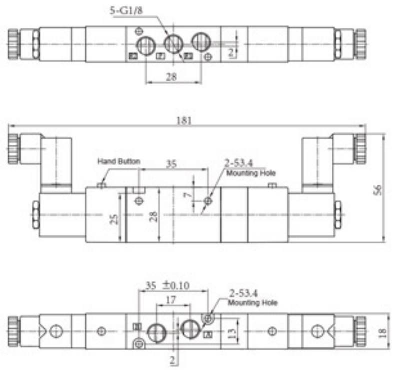
3 Positions/5 Ports Solenoid Valve



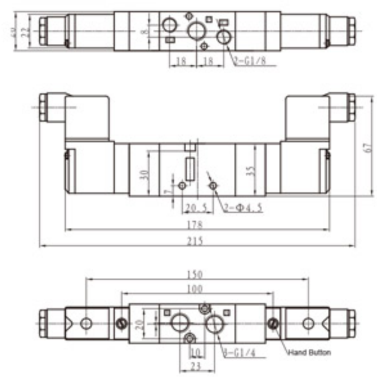


● FG3512—06CL ● FG3522—08CL

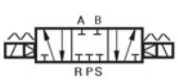
● FG3512—06CL

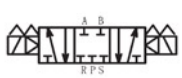


● FG3522—08CL



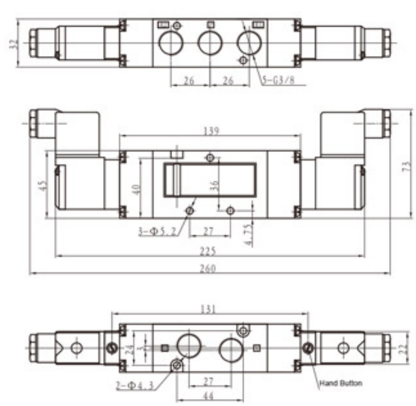
3 Positions/5 Ports Solenoid Valve



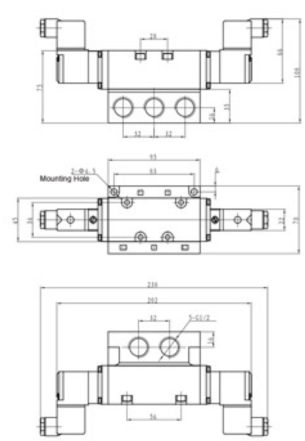


● FG3532—10CL ● FG3542—15CL

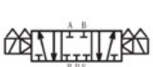
● FG3532—10CL



● FG3542—15CL

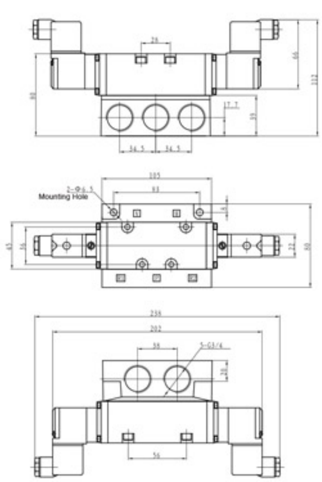


3 Positions/5 Ports Solenoid Valve

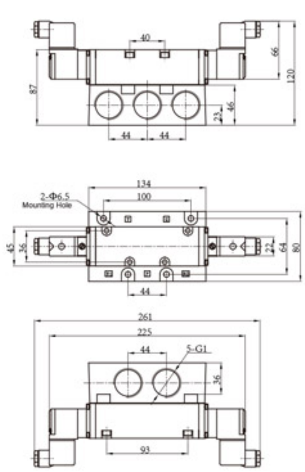


● FG3562—20CL ● FG3582—25CL

● FG3562—20CL



● FG3582—25CL



Character

It is a derivative product from FG Series electric control valve. This valve is in novel design, simple structure, quick action and easy operation. It is controlled by pneumatic signal with higher safety, applicable to inflammable and explosive places. It is an ideal direction control element.

Ordering Code

FG — 25 — 1 — 1A — 06

- **Series**: FG
- **Function**: 25 : 2 Positions/5Ports
- **Connection Code**: 1 : 1/8; 2 : 1/4; 3 : 3/8; 4 : 1/2; 6 : 3/4; 8 : 1
- **Control Form**: 1A : Single Air Operated; 2A : Double Air Operated
- **Pipe size**: 06 : G1/8; 08 : G1/4; 10 : G3/8; 15 : G1/2; 20 : G3/4; 25 : G1

Technical Parameter

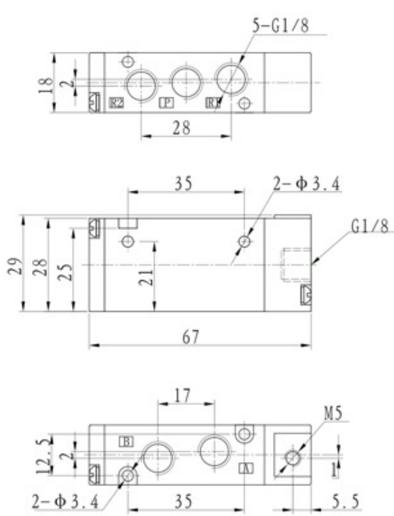
Specification \ Item		Function	Pipe size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Control Method	Max Action Fequency	Lubrication	Medium Temperature
FG2511A-06	FG2512A-06	2 Positions / 5Ports	G1/8	6	Air	0.15 ~ 0.9 MPa	Gas control	6 Cycles/Sec	Needless	-5 ~ 60°C
FG2521A-08	FG2522A-08		G1/4	8						
FG2531A-10	FG2532A-10		G3/8	10						
FG2541A-15	FG2542A-15		G1/2	15						
FG2561A-20	FG2562A-20		G3/4	20						
FG2581A-25	FG2582A-25		G1	25						

2 Positions/5 Ports Air Valve

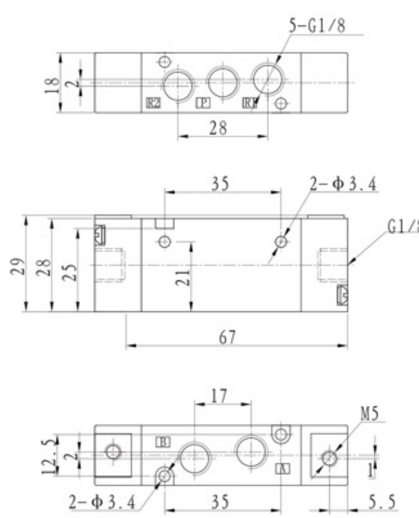
FG2511A-06

FG2512A-06

FG2511A-06



FG2512A-06



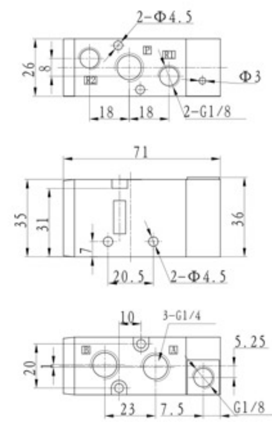
2 Positions/5 Ports Air Valve



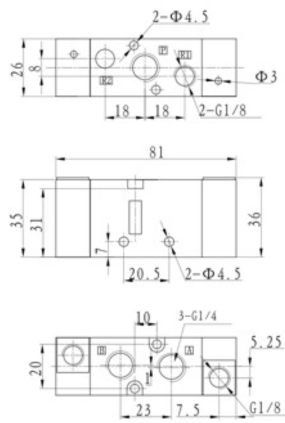
FG2521A—08

FG2522A—08

FG2521A—08

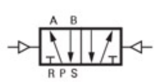


FG2522A—08



2 Positions/5 Ports Air Valve

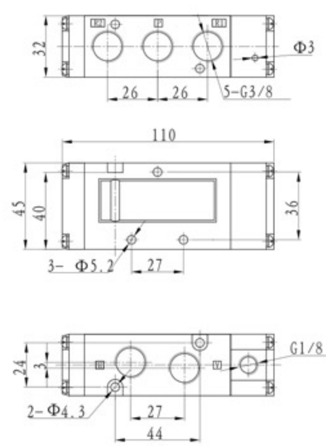




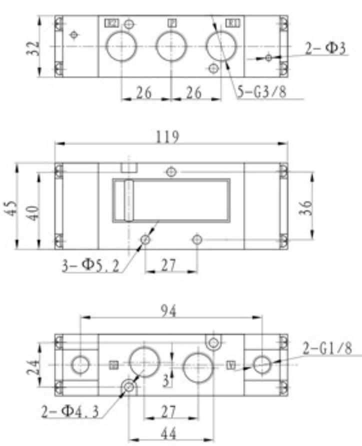
FG2531A—10

FG2532A—10

FG2531A—10

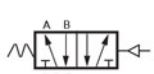


FG2532A—10



2 Positions/5 Ports Air Valve

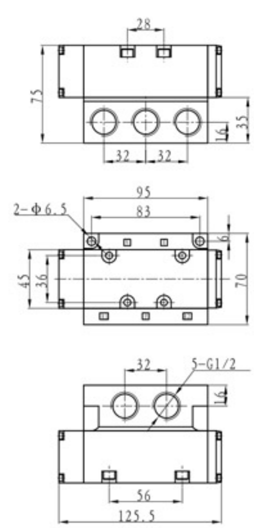




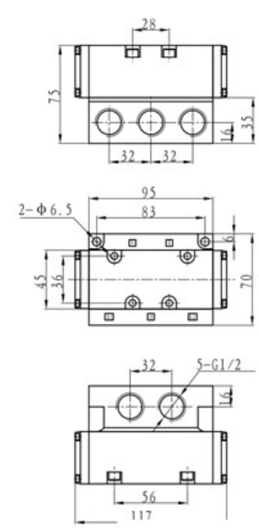
FG2541A—15

FG2542A—15

FG2541A—15



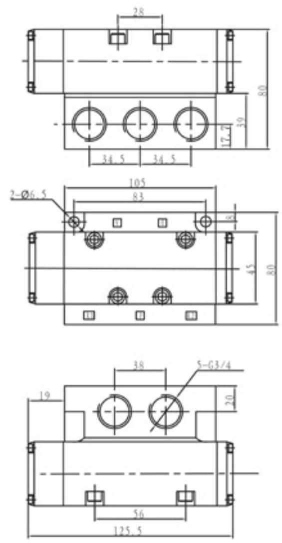
FG2542A—15

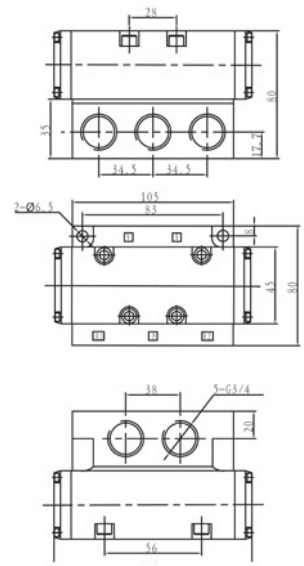


2 Positions/5 Ports Air Valve

FG2561A–20

FG2562A–20



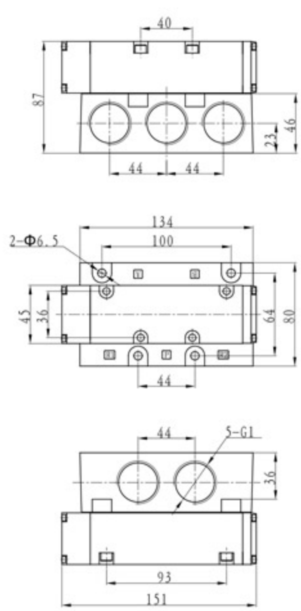


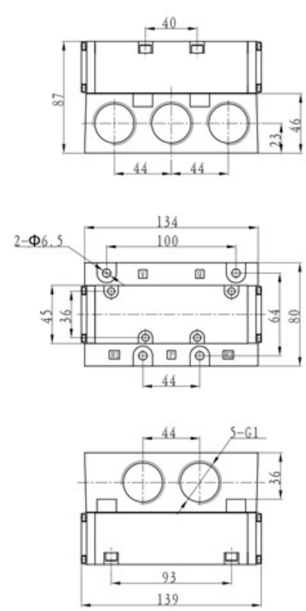
FG2561A–20 FG2562A–20

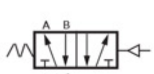
2 Positions/5 Ports Air Valve

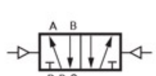
FG2581A–25

FG2582A–25









FG2581A–25 FG2582A–25

FG Series Manifold

F100—5T

F200—5T

Ordering Code

F 100 — 5T

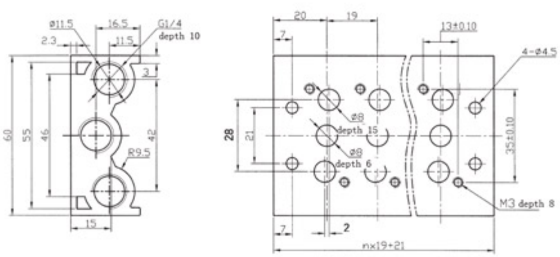
series	Type	Number of Connector
F	100:1/4	1—16
	200:1/4	1—16
	300:3/8	1—16
	400:1/2	1—16

F230—5T

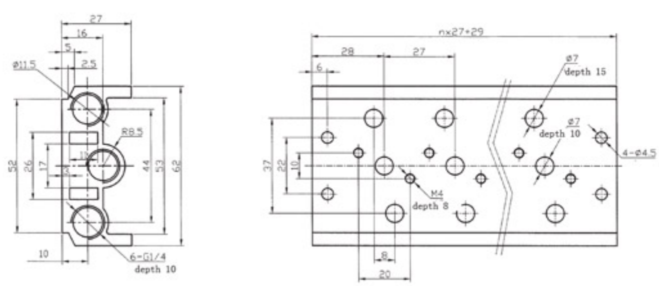
F300—5T

Figure Dimension

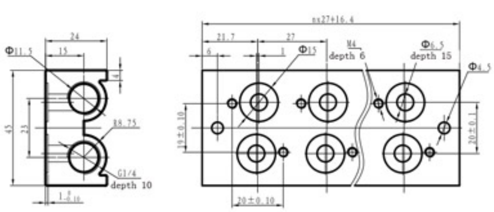
F100—5T



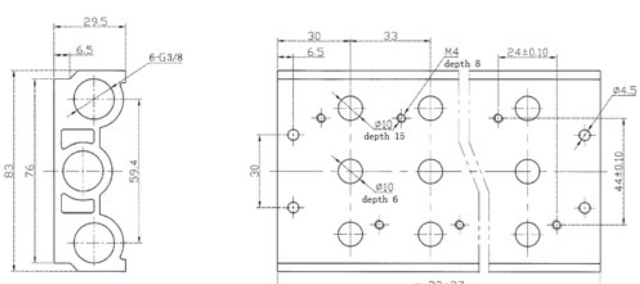
F200—5T



F230—5T



F300—5T



YH Series Solenoid Valve

- YH23JD—8
- YH23JD—15
- YH23JD—15P2

Character

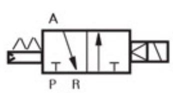
This product can be used under high pressure circumstance,safety,has been adoptted widely in high pressure pneumatic equipment such as Blow Bottle Machine,especially apply successfully in equipment that produce special shape,big capacity polyurethane bottle.

Ordering Code

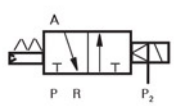
YH23J — D 8 P2

- YH23J: Series — 2 Positions/3 Ports High Pressure Valve
- D: Control Form — D: Single Solenoid Operated
- 8: Pipe Size — 8: G1/4(M12x1.25); 15: G1/2(M20x1.5)
- P2: Pilot Way — No Mark: Internal Pilot; P2: External Piolt

Graphics Sign



YH23JD—□



YH23JD—□P2

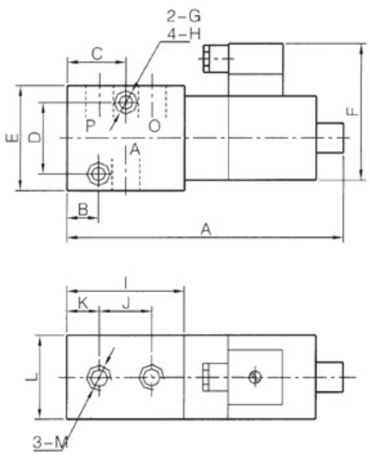
Technical Parameter

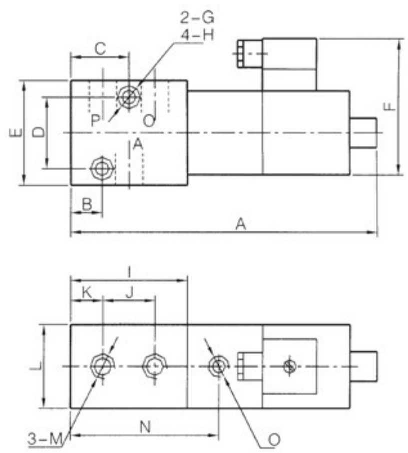
Item\Specification	YH23JD—8 YH23JD—8P2	YH23JD—15 YH23JD—15P2
Pressure Range	0.15 ~ 2.4 MPa	
Medium Temperature	−5 ~ 60 ℃	
Applicable Medium	Air	
Lubrication	Needless	
Nominal Diameter	8 mm	15 mm
Direction Change Time	⩽ 0.04 S	⩽ 0.08 S
Pipe Size	G1/4	G1/2
Power	AC220V: 20VA DC24V: 13W	

Figure Dimension

● YH23JD-8

● YH23JD-8P2

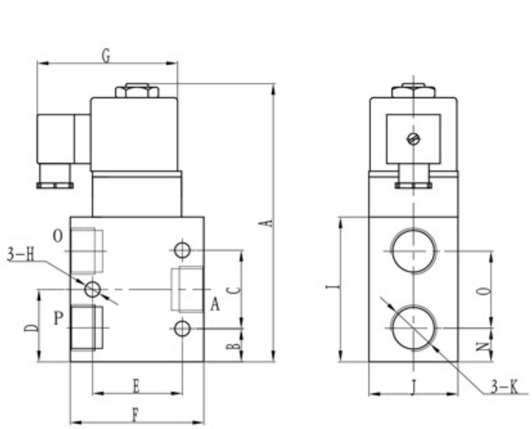


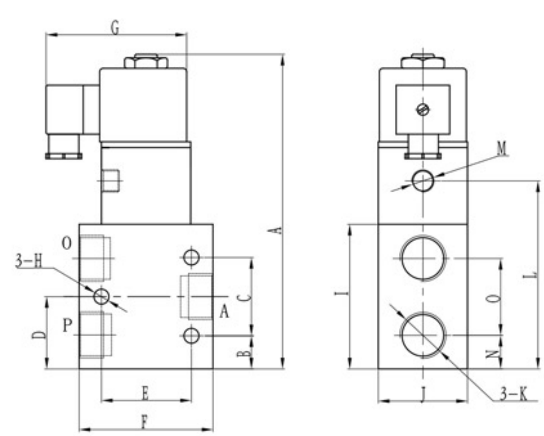


TYPE	K	A	B	C	D	E	F	G	H	I	J	K	L	N	O
YH23JD-8	G1/4	132	15	28	34	50	65	6.5	11	56	25	15.5	40	–	–
YH23JD-8P2	G1/4	145												75	G1/8

● YH23JD-15

● YH23JD-15P2





TYPE	K	A	B	C	D	E	F	G	H	I	J	L	M	N
YH23JD-15	G1/2	140	15.5	34	32.5	40	60	65	6.5	65	60	–	–	10.5
YH23JD-15P2	G1/2	157										84.5	G1/8	

TM Series High Frequency Valve

● TM–08

● TM–06

● Character

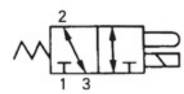
The high frequency valve of TM series have no influence of working pressure and the performance of large fl ow with low power for adopting the globe valve with structure of balanced pressure type. Any port of No.1,2,3 can be added pressure, act quickly and be used widely such as air blowing, single function cylinder driving, air current branching, pressure choice and vacuum equipments etc. It can be general used in both normal opened and normal closed.

Ordering Code

TM — 06 AC220V

- TM: High Frequency Valve
- 06: Pipe Size
  - 06 : G1/8
  - 08 : G1/4
- AC220V: Standard Voltage
  - DC12V
  - DC24V
  - AC110V
  - AC220V

Graphics Sign

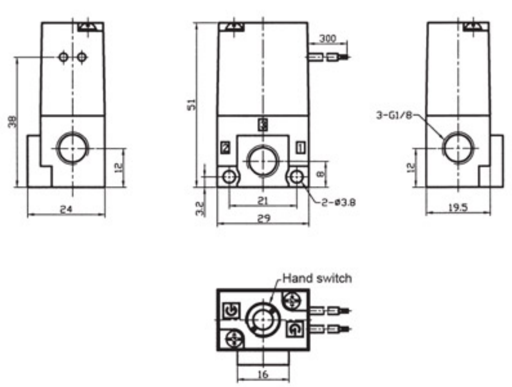


Technical Parameter

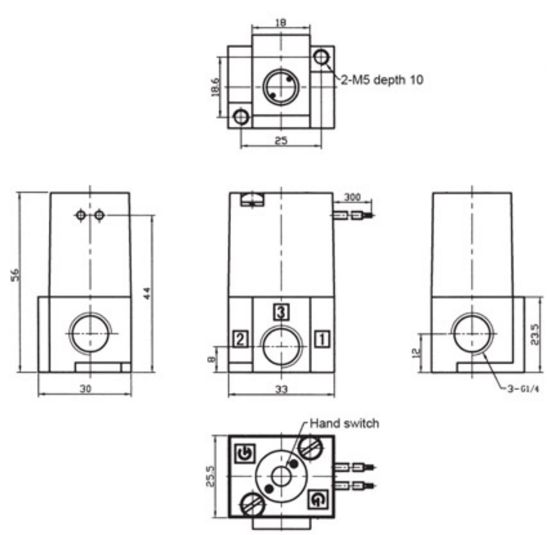
Item / Specification	Function	Pipe Size	Nominal Diameter (mm)	Applicable Medium	Applicable Pressure Range	Operating Method	Max Action Fequency	Lubrication	Medium Temperature	Power
TM–06	2 Positions/3Ports	G1/8	3	Air	0 ~ 0.8MPa	Internally Piloted	100 Cycles/Sec	Needless	–5 ~ 60°C	DC12V : 5.7W DC24V : 5.5W
TM–08	2 Positions/3Ports	G1/4	5							AC220V : 3.7VA DC24V : 7W

Figure Dimension

● TM–06



● TM–08



VT Series High Frequency Valve

● VT307

● VT307V

● Ordering Code

VT307 V — 01 AC220V

- VT307: High Frequency Valve
- V: Vacuum
- 01: 01:1/8; 02:1/4
- AC220V: Standard Voltage DC12V, DC24V, AC110V, AC220V

■ Graphics Sign

■ Technical Parameter

Applicable Fluid	Air、inert gas
Enginery	Normally open or normally lose
Medium Temperature	−5 ～ 60℃
Respond time	Max 20 millisec
Max action frequency	10 Cycles/Sec
Lubrication	Needless
Hand operating	Without lock
Impulsion force resistane/brisance	15G/5G(40 ～ 1000Hz)
Protect structure	Dust proof
Pressure Range	0 ～ 0.8MPa
Pipe Size	G1/4

■ Solenoid Coil Specification

Plug Mode		Lead wire
Standard Voltage		AC：110V,220V(50Hz) DC：12V,24V
Allowable voltage		−15 ～ +10%
range		Class B or Equivalent(130℃)
Insulated Grade		Max 50℃
Temprature	AC	Start：12.7VA，Keep on：7.6VA
Power Consumption	DC	4.8W

VT307