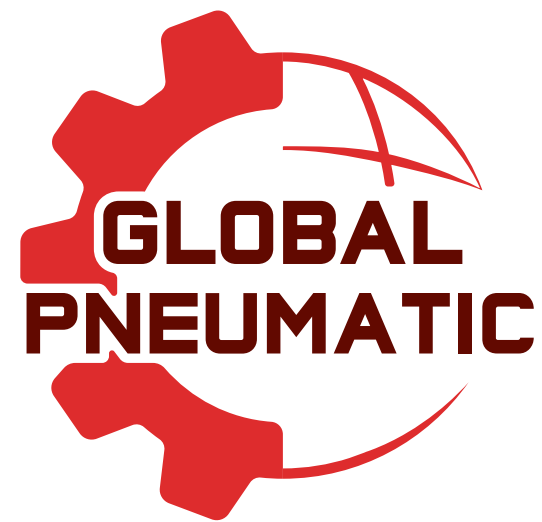


ELECTROVÁLVULAS



Suministros
Neumáticos Industriales

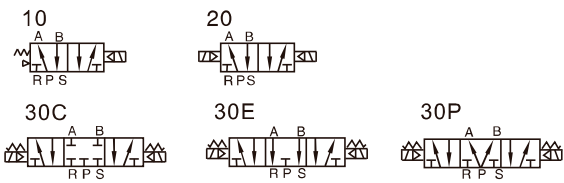


ELECTROVÁLVULA 4V100 SERIES

Solenoid valve(5/2 way,5/3 way) 4V100 Series



Symbol



Product feature

- 1. Pilot-oriented mode: Internal pilot or external pilot.
- 2. Structure in sliding column mode: good tightness and sensitive reaction .
- 3. Three position solenoid valves have three kinds of central function for your choice.
- 4. Double control solenoid valves have memory function.
- 5. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
- 6. No need to add oil for lubrication.
- 7. It is available to form integrated valve group with the base to save installation space.
- 8. Affiliated manual devices are equipped to facilitate installation and debugging.
- 9. Several standard voltage grades are optional.

Specification

Model	4V110-M5 4V120-M5	4V130C-M5 4V130E-M5 4V130P-M5	4V110-06 4V120-06	4V130C-06 4V130E-06 4V130P-06
Fluid	Air(to be filtered by 40 μ m filter element)			
Acting	Internal pilot or external pilot			
Port size [Note1]	In=Out=M5		In=Out=1/8"	
Orifice size	5.5mm ² (Cv=0.31)	5.0mm ² (Cv=0.28)	12.0mm ² (Cv=0.67)	9.0mm ² (Cv=0.50)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Operating pressure	0.15~0.8MPa(21~114psi)			
Proof pressure	1.2MPa(175psi)			
Temperature	-20~70℃			
Material of body	Aluminum alloy			
Lubrication [Note2]	Not required			
Max.frequency [Note3]	5 cycle/sec	3cycle/sec	5 cycle/sec	3 cycle/sec
Weight (g)	4V110-M5:120 4V120-M5:175	200	4V110-06:120 4V120-06:175	200

[Note1] PT thread, G thread and NPT thread are available.
[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.
[Note3] The maximum actuation frequency is in the no-load state.

Coil specification

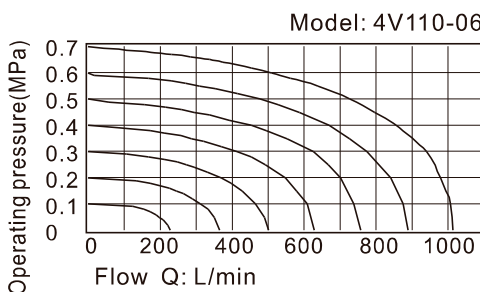
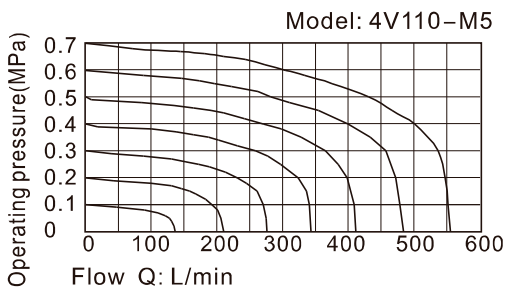
Item	specification				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ± 15% DC: ± 10%				
Power consumption	3.5VA	3.5VA	4.0VA	2.5W	2.5W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				

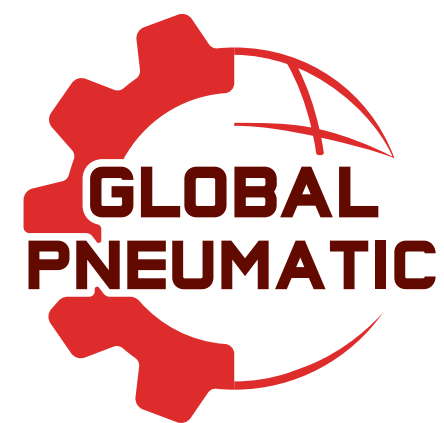
Ordering code

4V 1 10 06 A □ □						
① ② ③ ④ ⑤ ⑥ ⑦						
① Model	② Code	③ Valve type	④ Port size	⑤ Voltage	⑥ Electrical entry	⑦ Thread type
4V: Solenoid valve (5/2, 5/3 way)	1: 100 Series	10: Single solenoid 5/2 way 20: Double solenoid 5/2 way 30C: Double solenoid 5/3 way closed center 30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center	M5: M5	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	No this code
			06: 1/8"			Blank: PT G: G T: NPT

Please refer to 76 for manifold specification and the order way.

Flow chart





ELECTROVÁLVULA 4V100 SERIES

Solenoid valve(5/2 way,5/3 way)

4V100 Series

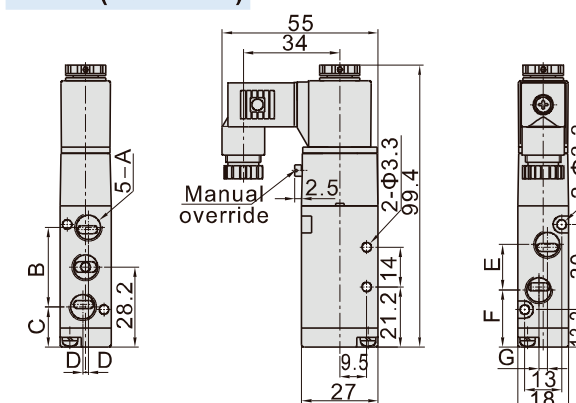
Inner structure

4V110						4V120						4V130C					
No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item
1	Connector	3	Coil	5	Fixed plate	7	Pilot kit	9	Wear ring	11	Fixed screw	13	Bottom cover gasket	15	Spool	17	Override spring
2	Coil net	4	Armature	6	Piston	8	Body	10	Bottom cover	12	Spool spring	14	Spool O-ring	16	Piston O-ring	18	Manual override
																19	Spring holder
																20	Return spring
																21	Side cover
																22	Spring holder

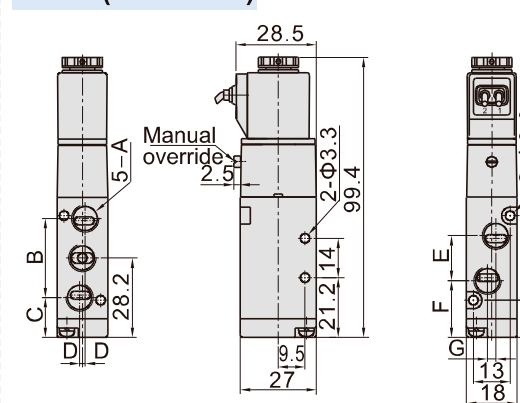
AirTAC

Dimensions

4V110(Terminal)

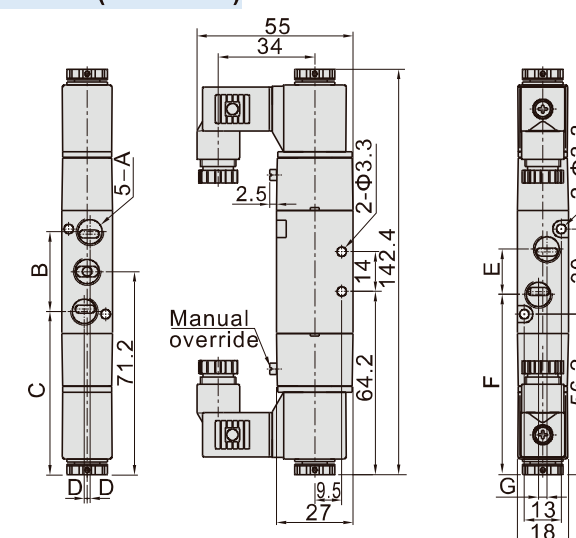


4V110(Grommet)

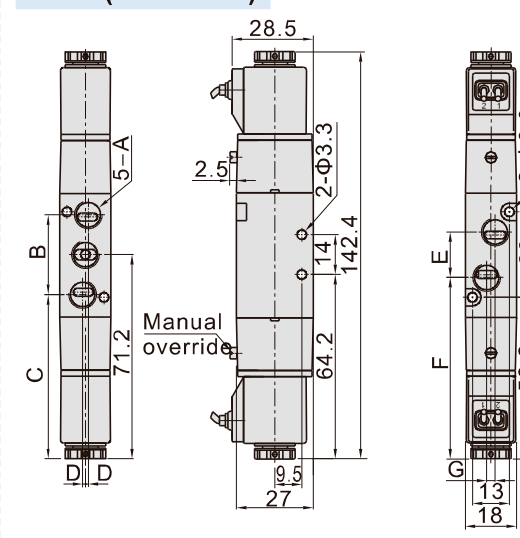


Model\Item	A	B	C	D	E	F	B
4V110-M5	M5x0.8	27	14.7	0	14	21.2	0
4V110-06	1/8"	28	14.2	1	16	20.2	3

4V120(Terminal)

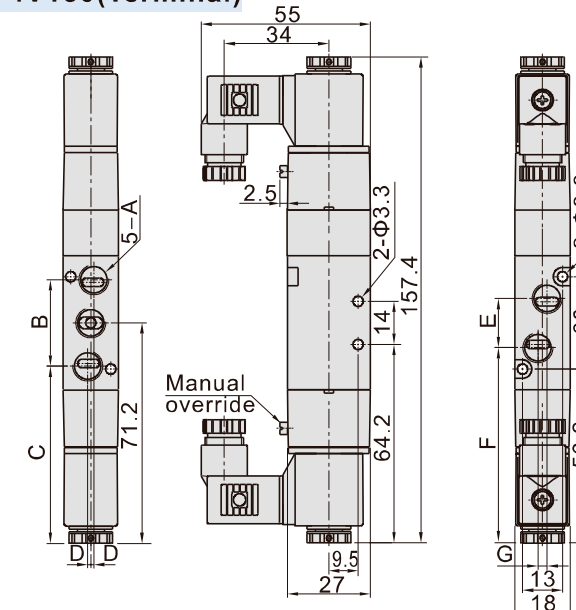


4V120(Grommet)

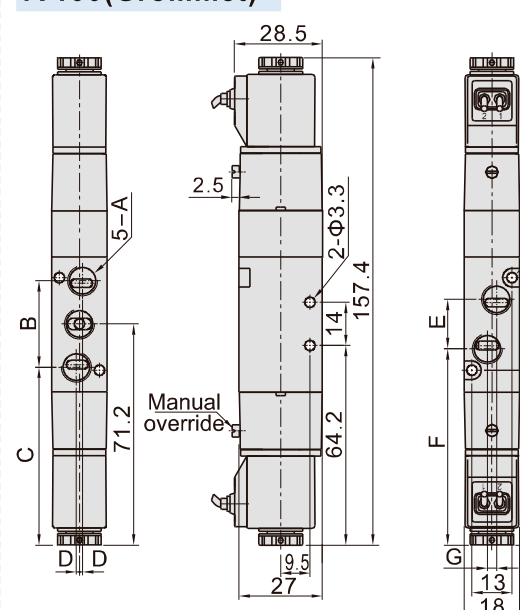


Model\Item	A	B	C	D	E	F	G
4V120-M5	M5x0.8	27	57.7	0	14	64.3	0
4V120-06	1/8"	28	57.2	1	16	63.2	3

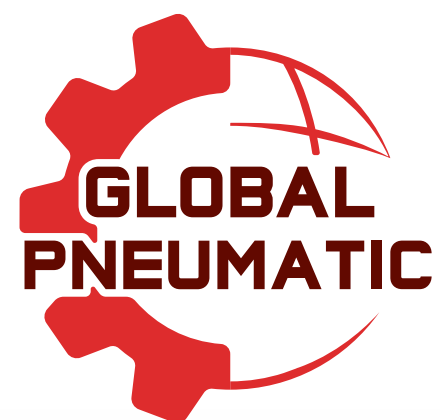
4V130(Terminal)



4V130(Grommet)



Model\Item	A	B	C	D	E	F	G
4V130-M5	M5x0.8	27	57.7	0	14	64.3	0
4V130-06	1/8"	28	57.2	1	16	63.2	3



ELECTROVÁLVULA 4V110-06 MONOESTABLE AIRTAC

MODELO:

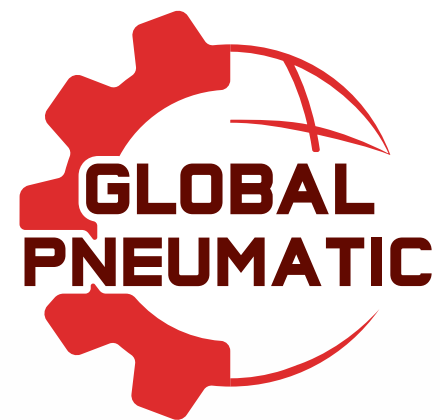
ELECTROVÁLVULA 5/2 G 1/8 24VDC AIRTAC

COD. 4V110-06



DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA 4V120-06 BIESTABLE AIRTAC

MODELO:

ELECTROVÁLVULA 5/2 G1/8 AC110
BIESTABLE AIRTAC

COD. 4V120-06 AC110V

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.



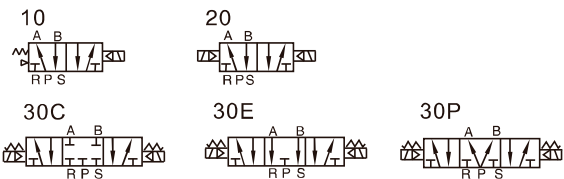


ELECTROVÁLVULA 4V200 SERIES

Solenoid valve(5/2 way,5/3 way) 4V200 Series



Symbol



Product feature

- 1. Pilot-oriented mode:Internal pilot or external pilot.
- 2. Structure in sliding column mode: good tightness and sensitive reaction.
- 3. Three position solenoid valves have three kinds of central function for your choice.
- 4. Double control solenoid valves have memory function.
- 5. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
- 6. No need to add oil for lubrication.
- 7. It is available to form integrated valve group with the base to save installation space.
- 8. Affiliated manual devices are equipped to facilitate installation and debugging.
- 9. Several standard voltage grades are optional.

specification

Model	4V210-06 4V220-06	4V230C-06 4V230E-06 4V230P-06	4V210-08 4V220-08	4V230C-08 4V230E-08 4V230P-08
Fluid	Air(to be filtered by 40 μ m filter element)			
Acting	Internal pilot or external pilot			
Port size [Note1]	In=Out=Exhaust=1/8"		In=Out=1/4" Exhaust=1/8"	
Orifice size	14.0mm ² (Cv=0.78)	12.0mm ² (Cv=0.67)	16.0mm ² (Cv=0.89)	12.0mm ² (Cv=0.67)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Operating pressure	0.15~0.8MPa(21~114psi)			
Operating pressure	1.2MPa(175psi)			
Temperature	-20~70℃			
Material of body	Aluminum alloy			
Lubrication [Note2]	Not required			
Max. frequency [Note3]	5 cycle/sec	3 cycle/sec	5 cycle/sec	3 cycle/sec
Weight (g)	4V210-06:220 4V220-06:320	360	4V210-08:220 4V220-08:320	360

[Note1] PT thread, G thread and NPT thread are available.
[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.
[Note3] The maximum actuation frequency is in the no-load state.

Coil specification

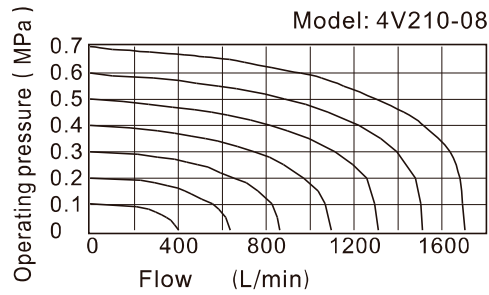
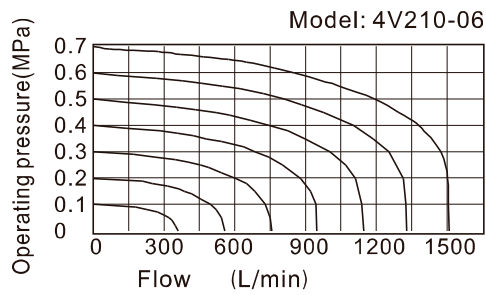
Item	specification				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ± 15% DC: ± 10%				
Power consumption	4.5VA	4.5VA	5.0VA	3.0W	3.0W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				

Ordering code

4V 2 10 08 A □ □						
① ② ③ ④ ⑤ ⑥ ⑦						
① Model	② Code	③ Valve type	④ Port size	⑤ Voltage	⑥ Electrical entry	⑦ Thread type
4V: Solenoid valve (5/2, 5/3 way)	2: 200 Series	10: Single solenoid 5/2 way 20: Double solenoid 5/2 way 30C: Double solenoid 5/3 way closed center 30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center	06: 1/8" 08: 1/4"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	Blank: PT G: G T: NPT

Please refer to 76 for manifold specification and the order way.

Flow chart





ELECTROVÁLVULA 4V200 SERIES

Solenoid valve(5/2 way,5/3 way)

4V200 Series

Inner structure

4V210

4V220

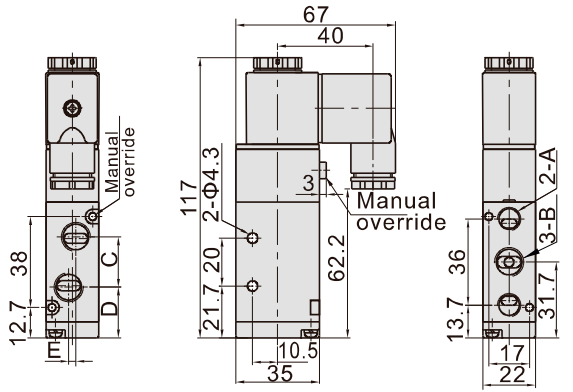
4V230C

No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item		
1	Connector	3	Coil	5	Fixed plate	7	Pilot kit	9	Wear ring	11	Fixed screw	13	Bottom cover gasket	15	Spool	17	Override spring	19	Spring holder	21	Side cover
2	Coil net	4	Armature	6	Piston	8	Body	10	Bottom cover	12	Spool spring	14	Spool O-ring	16	Piston O-ring	18	Manual override	20	Return spring	22	Spring holder

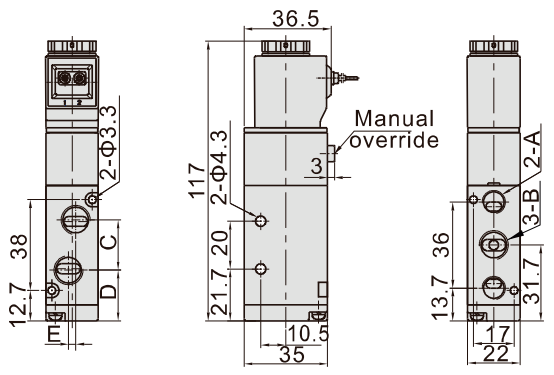


Dimensions

4V210(Terminal)

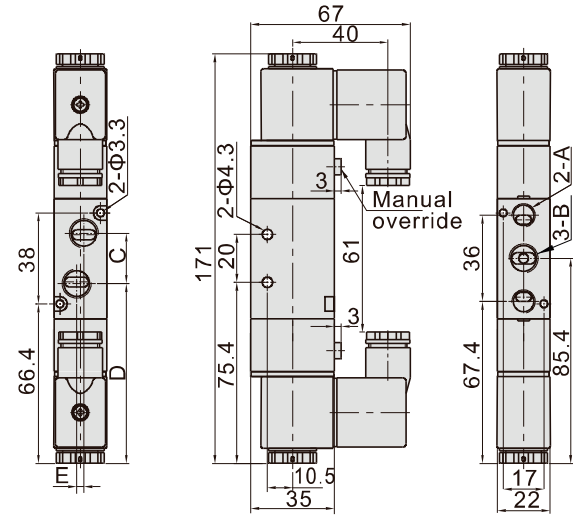


4V210(Grommet)

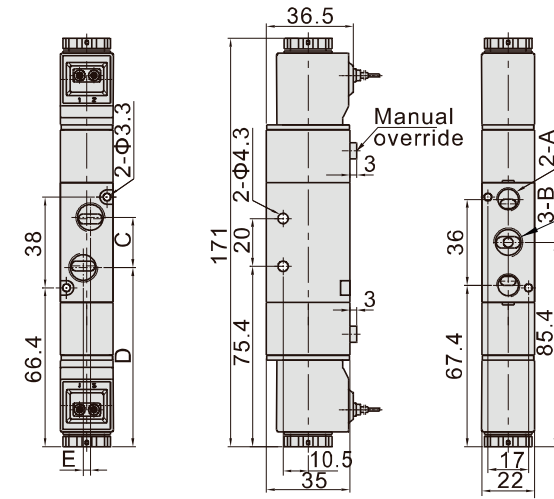


Model\Item	A	B	C	D	E
4V210-06	1/8"	1/8"	18	22.7	0
4V210-08	1/8"	1/4"	21	21.2	3

4V220(Terminal)

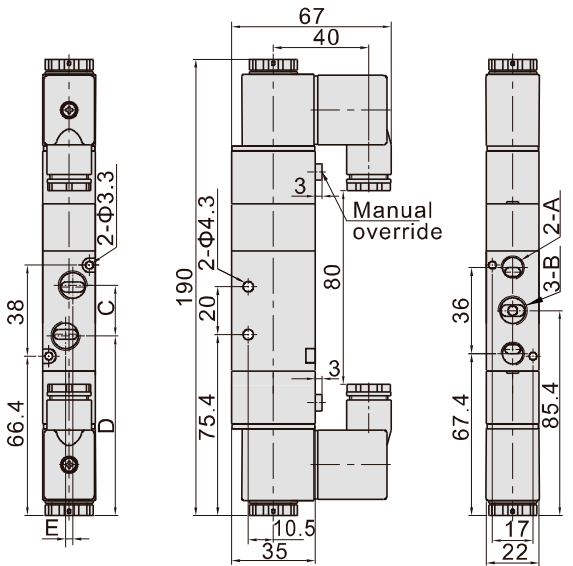


4V220(Grommet)

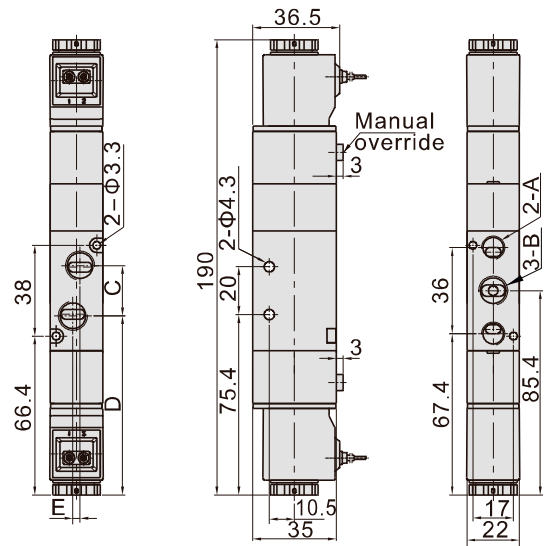


Model\Item	A	B	C	D	E
4V220-06	1/8"	1/8"	18	76.4	0
4V220-08	1/8"	1/4"	21	74.9	3

4V230(Terminal)



4V230(Grommet)



Model\Item	A	B	C	D	E
4V230-06	1/8"	1/8"	18	76.4	0
4V230-08	1/8"	1/4"	21	74.9	3



ELECTROVÁLVULA 4V210-08 MONOESTABLE AIRTAC

MODELO:

ELECTROVÁLVULA 5/2 G1/4 AIRTAC

COD. 4V210-08



DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA 4V230C-08 BIESTABLE AIRTAC



MODELO:

ELECTROVÁLVULA AIRTAC 5/3
CENTRO CERRADO 1/4

COD. 4V230C-08

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales. Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo. La electroválvula dispone de 2 posiciones estables, con 2 bobinas.

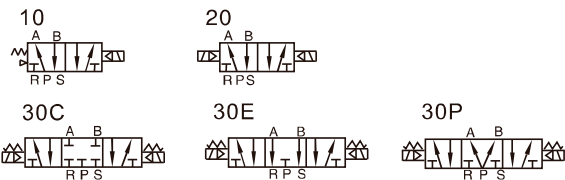


ELECTROVÁLVULA 4V300 SERIES

Solenoid valve(5/2 way,5/3 way) 4V300 Series



Symbol



Product feature

- 1. Pilot-oriented mode:Internal pilot or external pilot.
- 2. Structure in sliding column mode: good tightness and sensitive reaction.
- 3. Three position solenoid valves have three kinds of central function for your choice.
- 4. Double control solenoid valves have memory function.
- 5. Internal hole adopts special processing technology which has littleattrition friction, low start pressure and long service life.
- 6. No need to add oil for lubrication.
- 7. It is available to form integrated valve group with the base to save installation space.
- 8. Affiliated manual devices are equipped to facilitate installation and debugging.
- 9. Several standard voltage grades are optional.

Specification

Model	4V310-08 4V320-08	4V330C-08 4V330E-08 4V330P-08	4V310-10 4V320-10	4V330C-10 4V330E-10 4V330P-10
Fluid	Air(to be filtered by 40 μm filter element)			
Acting	Internal pilot or external pilot			
Port size [Note1]	In=Out=Exhaust=1/4"		In=Out=3/8" Exhaust=1/4"	
Orifice size	25.0mm ² (Cv=1.40)	18.0mm ² (Cv=1.00)	30.0mm ² (Cv=1.68)	18.0mm ² (Cv=1.00)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Operating pressure	0.15~0.8MPa(21~114psi)			
Proof pressure	1.2MPa(175psi)			
Temperature	-20~70℃			
Material of body	Aluminum alloy			
Lubrication [Note2]	Not required			
Max.frequency [Note3]	4 cycle/sec	3 cycle/sec	4 cycle/sec	3 cycle/sec
Weight (g)	4V310-08:310 4V320-08:400	450	4V310-10:310 4V320-10:400	450

[Note1] PT thread, G thread and NPT thread are available.
[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.
[Note3] The maximum actuation frequency is in the no-load state.

Coil specification

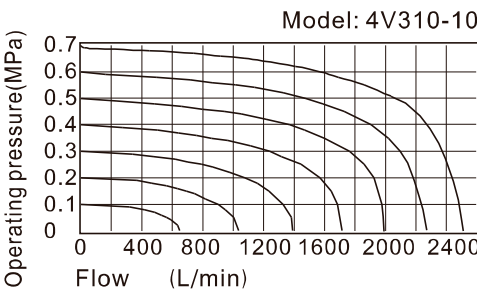
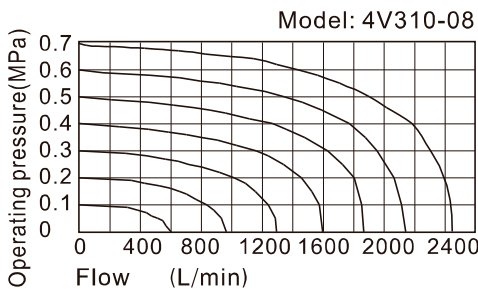
Item	specification				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ± 15% DC: ± 10%				
Power consumption	4.5VA	4.5VA	5.0VA	3.0W	3.0W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				

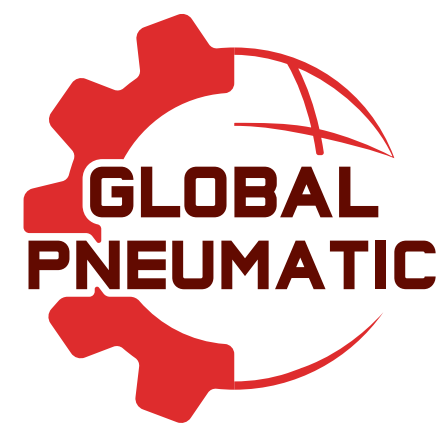
Ordering code

4V 3 10 10 A □ □						
1 2 3 4 5 6 7						
①Model	②Code	③Valve type	④Port size	⑤Voltage	⑥Electrical entry	⑦Thread type
4V: Solenoid valve (5/2, 5/3 way)	3: 300 Series	10: Single solenoid 5/2 way 20: Double solenoid 5/2 way 30C: Double solenoid 5/3 way closed center 30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center	08: 1/4" 10: 3/8"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	Blank: PT G: G T: NPT

Please refer to 76 for manifold specification and the order way.

Flow chart





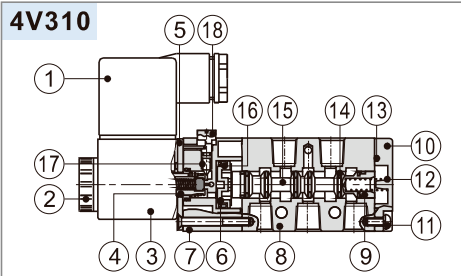
ELECTROVÁLVULA 4V300 SERIES

Solenoid valve(5/2 way,5/3 way)

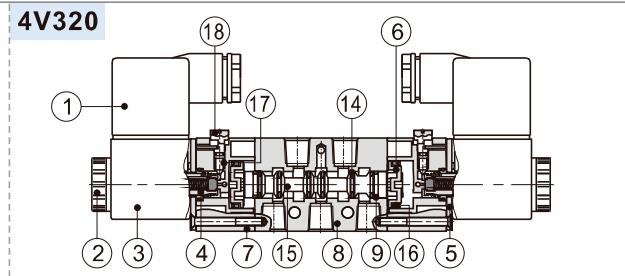
4V300 Series

Inner structure

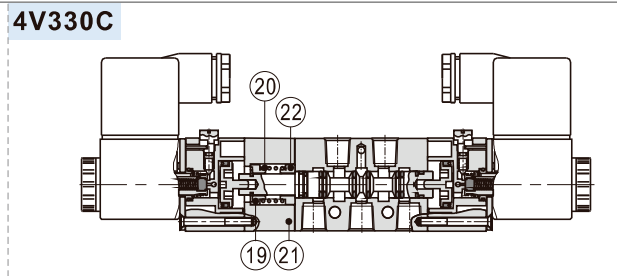
4V310



4V320



4V330C

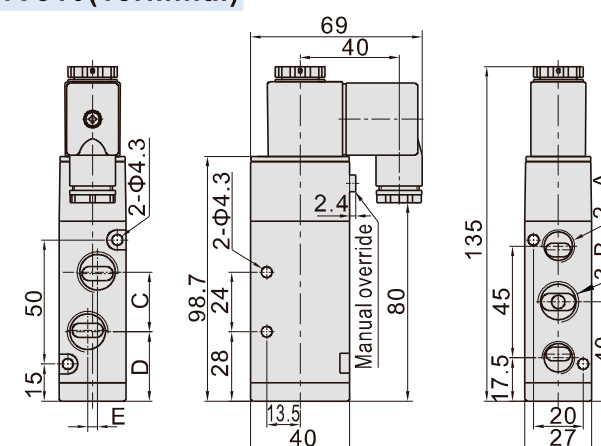


No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item
1	Connector	3	Coil	5	Fixed plate	7	Pilot kit	9	Wear ring	11	Fixed screw	13	Bottom cover gasket	15	Spool	17	Override spring	19	Spring holder	21	Side cover
2	Coil net	4	Armature	6	Piston	8	Body	10	Bottom cover	12	Spool spring	14	Spool O-ring	16	Piston O-ring	18	Manual override	20	Return spring	22	Spring holder

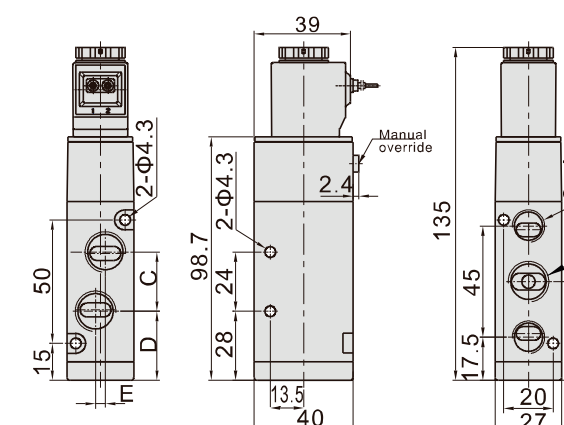
AIRTAC

Dimensions

4V310(Terminal)

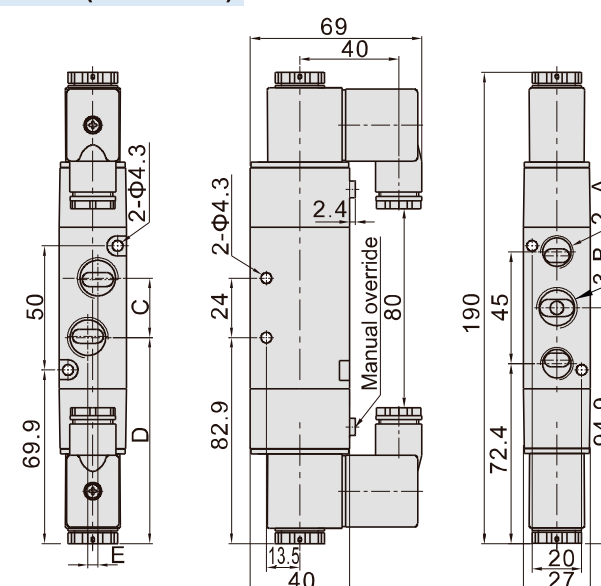


4V310(Grommet)

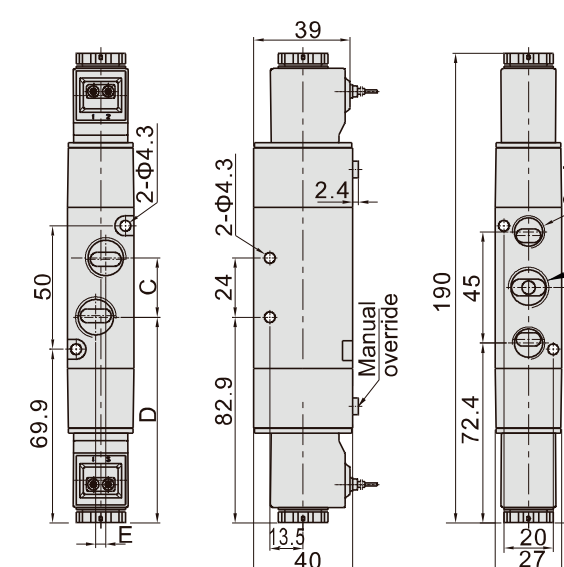


Model\Item	A	B	C	D	E
4V310-08	1/4"	1/4"	22	29	0
4V310-10	1/4"	3/8"	24	28	4

4V320(Terminal)

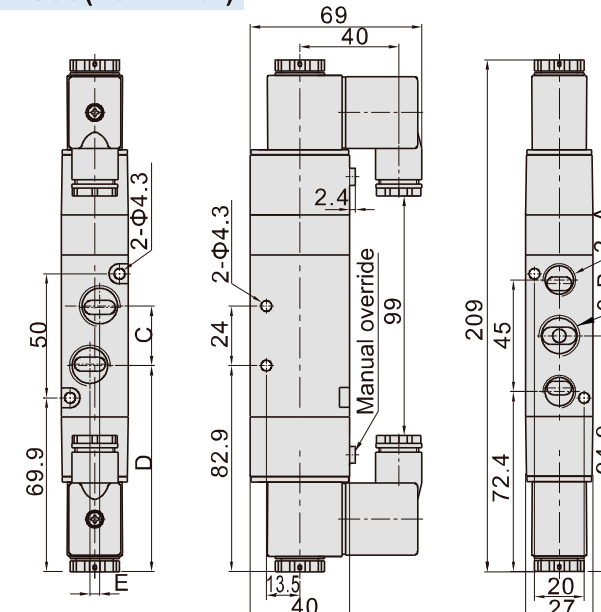


4V320(Grommet)

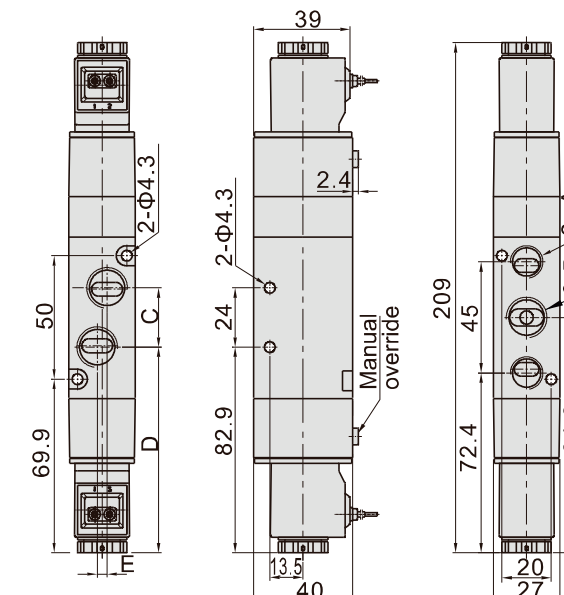


Model\Item	A	B	C	D	E
4V320-08	1/4"	1/4"	22	83.9	0
4V320-10	1/4"	3/8"	24	82.9	4

4V330(Terminal)



4V330(Grommet)



Model\Item	A	B	C	D	E
4V330-08	1/4"	1/4"	22	83.9	0
4V330-10	1/4"	3/8"	24	82.9	4



ELECTROVÁLVULA 4V310-08 MONOESTABLE AIRTAC

MODELO:

ELECTROVÁLVULA AIRTAC 5/2 G1/4 MODELO 300

COD. 4V310-08



DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



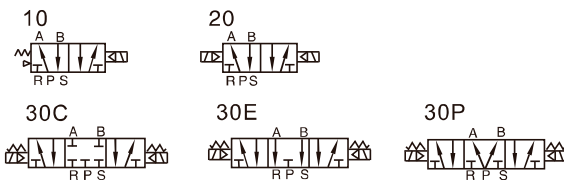
ELECTROVÁLVULA 4V400 SERIES

Solenoid valve(5/2 way,5/3 way)

4V400 Series



Symbol



Product feature

- 1. Pilot-oriented mode:Internal pilot or external pilot.
- 2. Structure in sliding column mode: good tightness and sensitive reaction.
- 3. Three position solenoid valves have three kinds of central function for your choice.
- 4. Double control solenoid valves have memory function.
- 5. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
- 6. No need to add oil for lubrication.
- 7. It is available to form integrated valve group with the base to save installation space.
- 8. Affiliated manual devices are equipped to facilitate installation and debugging.
- 9. Several standard voltage grades are optional.

Specification

Model	4V410-15	4V420-15	4V430C-15	4V430E-15	4V430P-15
Fluid	Air(to be filtered by 40 μ m filter element)				
Acting	Internal pilot or external pilot				
Port size [Note1]	In=Out=Exhaust=1/2"				
Orifice size	50.0mm ² (Cv=2.79)		30.0mm ² (Cv=1.68)		
Valve type	5 port 2 position		5 port 3 position		
Operating pressure	0.15~0.8MPa(21~114psi)				
Proof pressure	1.2MPa(175psi)				
Temperature	-20~70℃				
Material of body	Aluminum alloy				
Lubrication [Note2]	Not required				
Max. frequency [Note3]	3 cycle/sec				
Weight (g)	590	720	770		

[Note1] PT thread, G thread and NPT thread are available.
[Note2] Once lubricated air is used, continue with same medium to optimise valve life span.
Lubricants like ISO VG32 or equivalent are recommended.
[Note3] The maximum actuation frequency is in the no-load state.

Coil specification

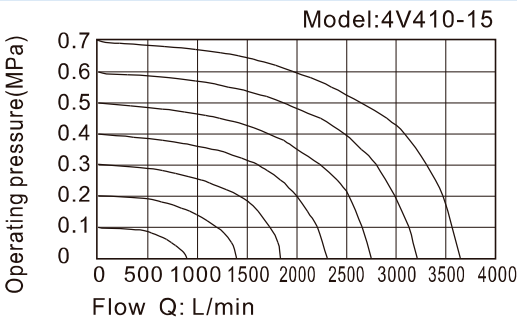
Item	specification				
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V
Scope of voltage	AC: ± 15% DC: ± 10%				
Power consumption	4.5VA	4.5VA	5.0VA	3.0W	3.0W
Protection	IP65(DIN40050)				
Temperature classification	B Class				
Electrical entry	Terminal, Grommet				
Activating time	0.05 sec and below				

Ordering code

4V 4 10 15 A □ □						
① ② ③ ④ ⑤ ⑥ ⑦						
①Model	②Code	③Valve type	④Port size	⑤Voltage	⑥Electrical entry	⑦Thread type
4V: Solenoid valve (5/2, 5/3 way)	4: 400 Series	10: Single solenoid 5/2 way 20: Double solenoid 5/2 way 30C: Double solenoid 5/3 way closed center 30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center	15: 1/2"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	Blank: PT G: G T: NPT

Please refer to 76 for manifold specification and the order way.

Flow chart



ELECTROVÁLVULA 4V400 SERIES

Solenoid valve(5/2 way, 5/3 way)

4V400 Series

Inner structure

4V410

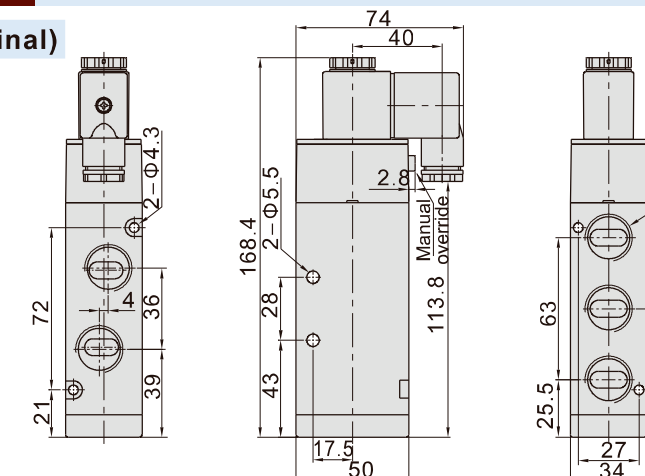
4V420

4V430C

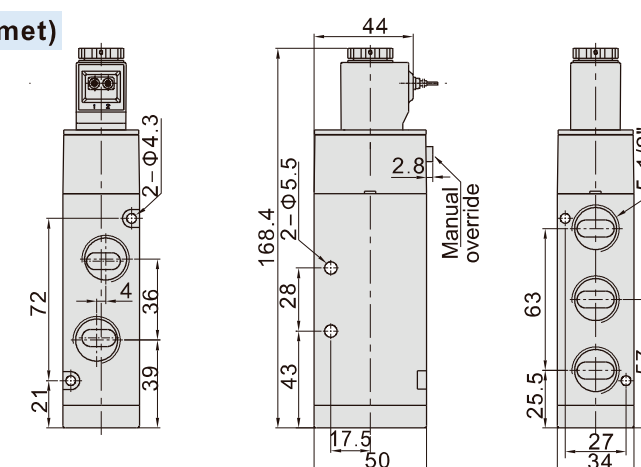
No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item
1	Connector	3	Coil	5	Fixed plate	7	Pilot kit	9	Wear ring	11	Fixed screw	13	Bottom cover gasket	15	Spool	17	Override spring	19	Spring holder	21	Side cover
2	Coil net	4	Armature	6	Piston	8	Body	10	Bottom cover	12	Spool spring	14	Spool O-ring	16	Piston O-ring	18	Manual override	20	Return spring	22	Spring holder

Dimensions

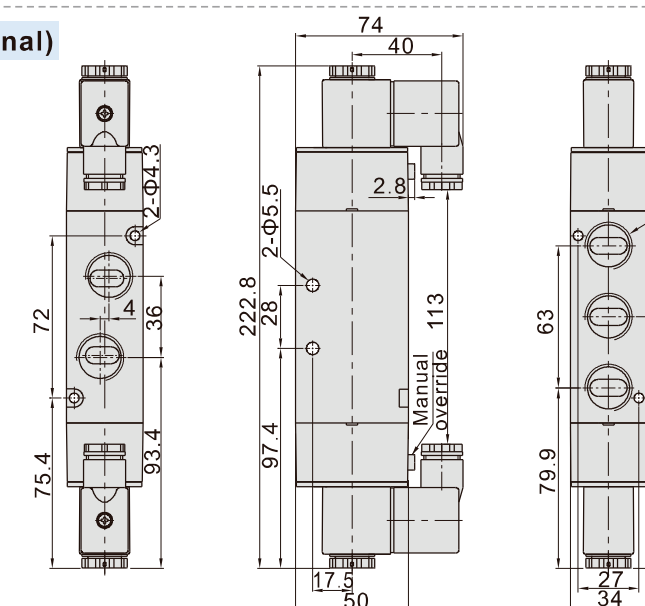
4V410(Terminal)



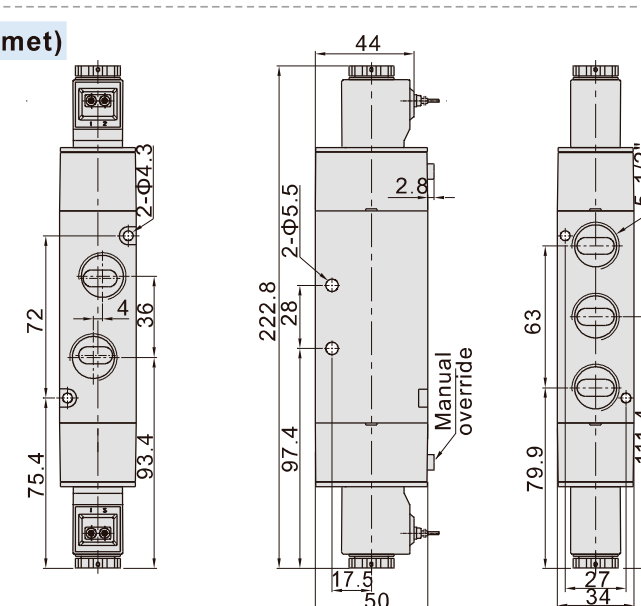
4V410(Grommet)



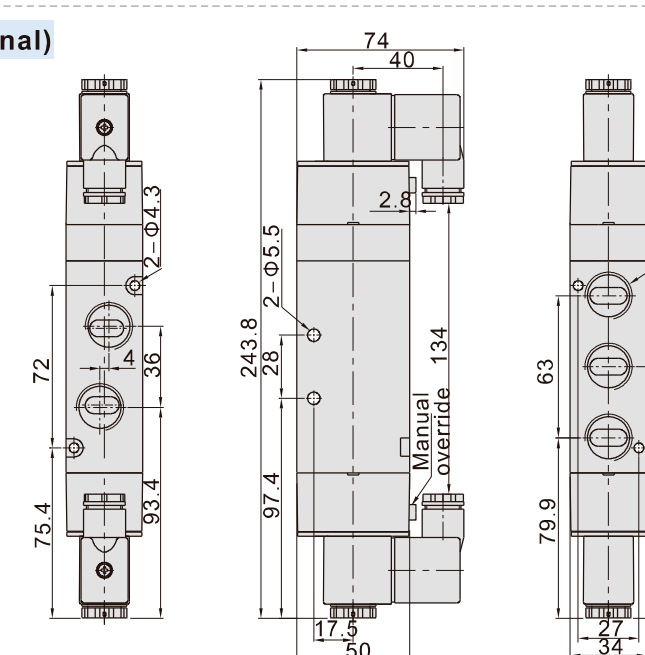
4V420(Terminal)



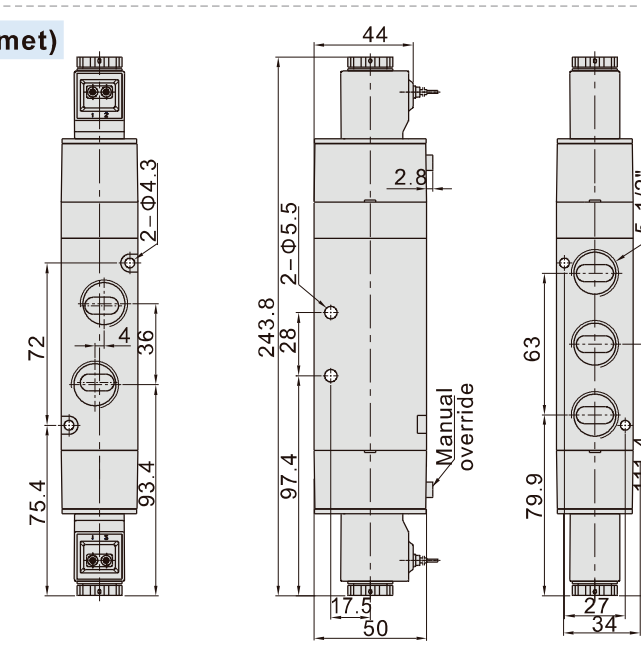
4V420(Grommet)



4V430(Terminal)



4V430(Grommet)





ELECTROVÁLVULA MONO ESTABLE AIRTAC



MODELO:

ELECTROVÁLVULA - NC AIRTAC

COD. 3V210-08-NC AIRTAC

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



BASE MANIFOLD AIRTAC

Solenoid valve(Accessories)



Manifold



Specification

Item\Manifold Model	100M	200M	300M	400M
Fluid	Air(to be filtered by 40 μ m filter element)			
Temperature	-20~70℃			
Adaptable valve's series	4V100 Series	4V200 Series	4V300 Series	4V400 Series

Product feature

1. It is available to integrate the direction control valves of the same series to form valve group to save space and cost.
2. It is easy to examine when there are faults owing to the unified air intake and exhaust and unified wiring.
3. Flexible combination and strong expansion capability can make any combination or expansion of the numbers of direction control valves that are connected.

Ordering code

Ordering code for manifold

100M 5F □

1

2

3

①Model	②Number of stations [Note1]	③Thread type
100M:100 Series manifold	1F: 1 Station	Blank: PT G: G T: NPT
200M:200 Series manifold	2F: 2 Station	
300M:300 Series manifold	3F: 3 Station	
400M:400 Series manifold		
	16F: 16 Station	

Ordering code for blank plate

P-100M-R2

1

2

3

①Kits model	②Model	③Code
P: Kits	100M: 100 Series manifold 200M: 200 Series manifold 300M: 300 Series manifold 400M: 400 Series manifold	R2: Blank plate for manifold

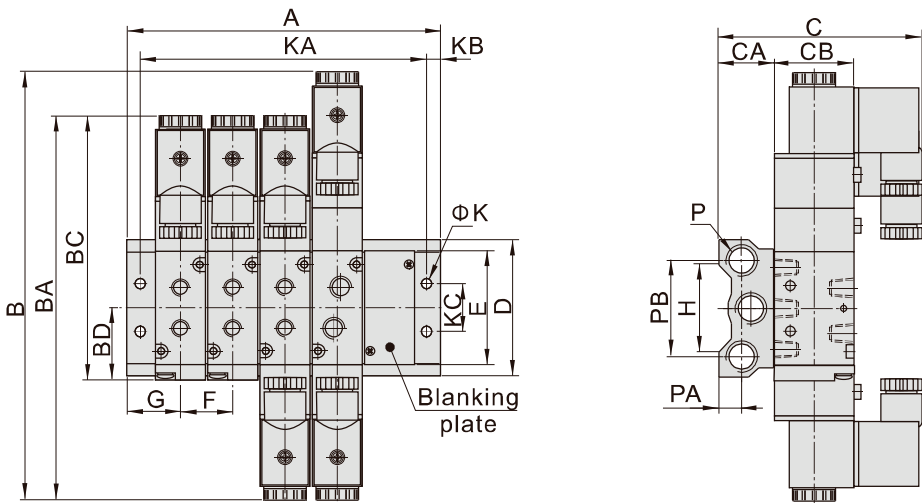
[Note1] 100M, 200M series have a maximum of 16 stations ; 300M series have a maximum of 12 stations; 400M series have a maximum of 8 stations.

[Note] 1. Ordering code contains the two parts of the manifold's and the blank plate's. 2. Manifold kits contains manifold, seal and screw.

3. Blank plate kits contains blank plate and screw.

Dimensions

With 4V solenoid valve



Model\Item	B	BA	BC	BD	C	CA	CB	D	E	F	G	H	K	KB	KC	P	PA	PB
100M□F	154.5	142.5	99.5	28	78	23	27	57.5	43	19	19	36	4.5	5	20	1/4"	10	40
200M□F	189	171	117	31.7	92	25	35	60	52	23	22	38	4.5	5	21	1/4"	10	42
300M□F	208	190	135	40	98	29	40	75	64	28	26	54	4.5	5	26	3/8"	13.5	53
400M□F	243	223	168.5	57	108	34	50	100	94	35	30.5	75	5.5	6	32	1/2"	15	68

Model\Item	A															
	1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M□F	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
200M□F	44	67	90	113	136	159	182	205	228	251	274	297	320	343	366	389
300M□F	52	80	108	136	164	192	220	248	276	304	332	360	-	-	-	-
400M□F	61	96	131	166	201	236	271	306	-	-	-	-	-	-	-	-

Model\Item	KA															
	1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M□F	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313
200M□F	34	57	80	103	126	149	172	195	218	241	264	287	310	333	356	379
300M□F	42	70	98	126	154	182	210	238	266	294	322	350	-	-	-	-
400M□F	49	84	119	154	189	224	259	294	-	-	-	-	-	-	-	-



BASE MANIFOLD AIRTAC

MODELO:

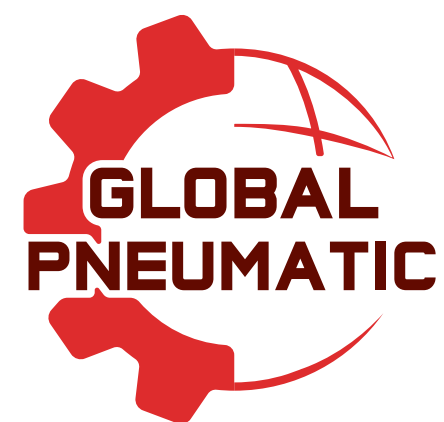
BASE MANIFOLD PARA ELECTROVÁLVULAS AIRTAC

COD. 200M-4F



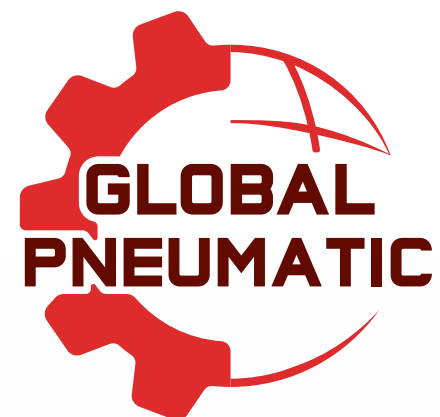
DESCRIPCIÓN

Estaciones para válvulas en una sola base, organiza y ahorra el espacio.



ELECTROVÁLVULA MVS

Item	MVSD-260-4E1	MVSD-260-4E2	MVSD-260-4E2 (C.P.E)	MVSD-300-4E1	MVSD-300-4E2	MVSD-300-4E2 (C.P.E)	MVSD-600-4E1	MVSD-600-4E2
No. of position	2	2	3	2	2	3	2	
No. of port	5			3	5		5	
Port Size	G 1/4"			G 3/8"			G 3/4"	G 1"
Working medium	Air							
Working pressure	0.2 ~ 0.7 MPa		0.3 ~ 0.7 MPa	0.2 ~ 0.7 MPa		0.3 ~ 0.7 MPa	0.2 ~ 0.7 MPa	
Max. Test pressure	10 kgf/cm ²							
Effective cross section area	18 mm ²		16 mm ²	35 mm ²		25 mm ²	20: 115 mm ² 25: 135 mm ²	
Ambient: Temperature	-5 ~ 50°C (No Freezing)							
Power consumption	AC: 5.5 VA DC: 4.8W						AC: 13 VA DC: 10W	
Operating voltage tolerance	± 10%							
Insulation class	IP 65, F Class							



ELECTROVÁLVULA MONO ESTABLE MVS



MODELO:

ELECTROVÁLVULA 5/2 1/4 MONOESTABLE

COD. MVSC260-4E1

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE MVS



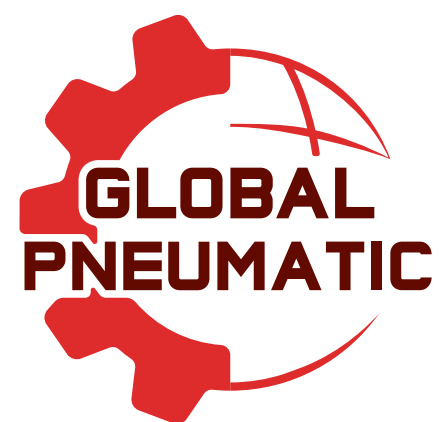
MODELO:

ELECTROVÁLVULA 5/2 G 3/8*

COD. MVSC300-4E1

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE NAMUR

Ordering code

4M	2	10	06	AC220V	
Specification Code 4M:Two-position Five-way Plate Type Valve	Body Size 2:1/8" and 1/4" Valve body 3:1/4" and 3/8" Valve body	Coil and Places 10:Single-head Double-position 20:Double-head Double-position	Port Size 06:G1/8" 08:G1/4" 10:G3/8"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Standard Connector LD:Brown With Lighting Connector LD1:White With Lighting Connector W:Lead Wire Type
Graphic Symbol					

Specifications

Model	4M210-06	4M220-06	4M210-08	4M220-08	4M310-08	4M320-08	4M310-10	4M320-10
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Position and Way NO.	Two-position Five-way							
Effective Section Area	14mm ² (CV=0.78)		16mm ² (CV=0.89)		25mm ² (CV=1.39)		30mm ² (CV=1.67)	
Port Size	Air Inlet=Exhaust=G1/8"		Air Inlet=G1/4"/Exhaust=G1/8"		Air Inlet=Exhaust=G1/4"		Air Inlet=G3/8"Exhaust=G1/4"	
Lubricate	Not Necessary							
Working-Pressure	0.15~0.8MPa							
Max.Pressure Resistance	1.2MPa							
Operating Temperature	5~60℃							
Voltage Range	-15%~+10%							
Power Consumption	AC380V:2.5VA,AC220V:2.0VA,AC110V:2.5VA,AC24V:3.5VA,DC24V:3.0W,DC12V:2.5W							
Insulation & Protection Class	F Class.IP65							
Wiring Form	Lead wire or Connector Type							
Highest Action Frequency	5 Cycle / Sec							
Shortest Excitation Time	0.05 Second							



ELECTROVÁLVULA MONO ESTABLE NAMUR



MODELO:

ELECTROVÁLVULA NAMUR 5/2

COD. 4M310-08 (TS310-08B)

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE TIPO TIGER

MODELO:

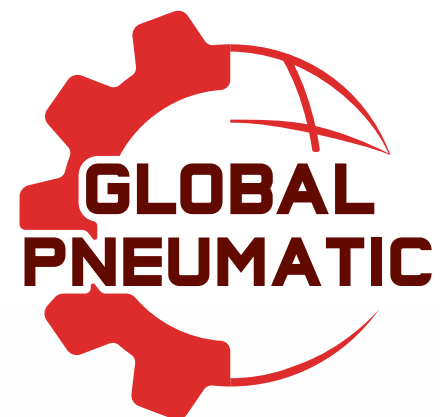
ELECTROVÁLVULA TIPO TIGER 5/2 1/8

COD. FCHA - 5 - 1/8



DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE TIPO TIGER



MODELO:

ELECTROVÁLVULA TIPO TIGER 5/2 1/4

COD. MFH-5/2-1/4-AC220V

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE HERION

MODELO:

ELECTROVÁLVULA 5/2 G1/2 HERION

COD. 2637050



DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA BIESTABLE HERION



MODELO:

ELECTROVÁLVULA 5/2 HERION 1/2 BIESTABLE

COD. 2637250

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.



ELECTROVÁLVULA BISTABLE 4V200 SERIES

Ordering code

4V	2	10	—	08		—	AC220V	—	
Specification Code 4V:Two(Three)-position Five-way Solenoid Valve 4A:Two(Three)-position Five- way pneumatic control valve 3V:Two-position Three-way Solenoid Valve 3A:Two-position Three-way Pneumatic Control Valve	Series Code 200 Series	Coil and Places 10:Single-head double- position 20:Double-head double- position 30C:Double-head Three- position Close Type 30E:Double-head Three- position Exhaust Type 30P:Double-head Three- position Pressure Type		Port Size 06:G1/8" 08:G1/4"	Port connection and Initial State NC:Two-position Three-way Normal Close Type NO:Two-positiOn Three-way Normal Open Type		Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz		Wiring Form Blank:Standard Connector LD:Brown With Lighting Connector LD1:White With Lighting Connector W:Lead Wire Type

Specifications

Model	4V210-06	4V220-06	4V230C-06	4V230E-06	4V230P-06	4V210-08	4V220-08	4V230C-08	4V230E-08	4V230P-08
	4A210-06	4A220-06	4A230C-06	4A230E-06	4A230P-06	4A210-08	4A220-08	4A230C-08	4A230E-08	4A230P-08
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	14mm ² (CV=0.78)		12mm ² (CV=0.67)			16mm ² (CV=0.89)		12mm ² (CV=0.67)		
Model	3V210-06	3V220-06	3A210-06	3A220-06		3V210-08	3V220-08	3A210-08	3A220-08	
Position and Way NO.	Two-position Three-way					Two-position Three-way				
Effective Section Area	14mm ² (CV=0.78)					16mm ² (CV=0.89)				
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=G1/8"					Air Inlet=Air Outlet 1/4" Exhaust=GI/1/8"				
Working Medium	40 Micron Filtered Air									
Motion Pattern	Inner Guide Type									
Working-pressure	0.15~0.8 M Pa									
Max. Pressure Resistance	1.2MPa									
Operating Temperature	5~50℃									
Voltage Range	±10%									
Power Consumption	AC: 2.5VA DC: 2.5W									
Insulation & Protection Class	F Class. IP65									
Wiring Form	Lead Wire or Connector type									
Highest Action Frequency	5 Cycle / Sec									
Shortest Excitation Time	0.05 Second									



ELECTROVÁLVULA BIESTABLE 4V200 SERIES

MODELO:

ELECTROVÁLVULA 5/3
CENTRO CERRADO 1/4 24VDC

COD. 4V230C-08-J

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.





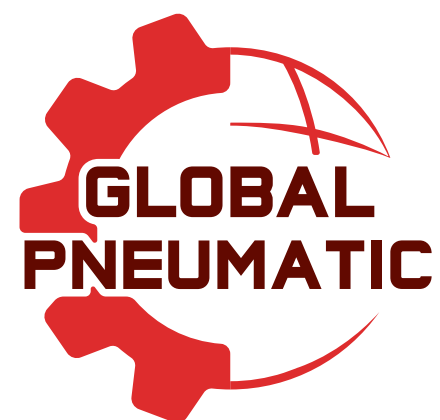
ELECTROVÁLVULA BISTABLE 4V400 SERIES

Ordering code

4V	4	10	—	10		—	AC220V	—	
Specification Code 4V:Two(Three)-position Five-way Solenoid Valve 4A:Two(Three)-position Five- way Pneumatic control Valve 3V:Two-position Three-way Solenoid Valve 3A:Two-position Three-way Pneumatic Control Valve	Series Code 400 Series	Coil and Places 10:Single-head Double-position 20:Double-head Double-position 30C:Double-head Three-position Close Type 30E:Double-head Three-position Exhaust Type 30P:Double-head Three-position Pressure Type		Port Size 10:G3/8" 15:G1/2"	Port connection and Initial State NC:Two-position Three- way Normal Close Type NO:Two-positiOn Three- way Normal Open Type		Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz		Wiring Form Blank:Standard Connector LD:Brown With Lighting Connector LD1:White With Lighting Connector W:Lead Wire Type

Specifications

Model	4V410-15	4V420-15	4V430C-15	4V430E-15	4V430P-15
	4A410-15	4A420-15	4A430C-15	4A430E-15	4A430P-15
Position and Way NO.	Two-position Five-way		Three-position Five-way		
Effective Sectional Area	50mm ² (CV=2.79)		30mm ² (CV=1.68)		
Model	3V410-15	3V420-15	3A410-15	3A420-15	
Position and Way NO.	Two-position Three-way				
Effective Section Area	50mm ² (CV=2.79)				
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=G1/2"				
Working Medium	40 Micron Filtered Air				
Motion Pattern	Inner Guide Type				
Working-pressure	0.15~0.8 M Pa				
Max. Pressure Resistance	1.2MPa				
Operating Temperature	5~50℃				
Voltage Range	±10%				
Power Consumption	AC: 4.5VA DC: 3W				
Insulation & Protection Class	F Class. IP65				
Wiring Form	Lead Wire or Connector Type				
Highest Action Frequency	5 Cycle / Sec				
Shortest Excitation Time	0.05 Second				



ELECTROVÁLVULA BIESTABLE 4V400 SERIES



MODELO:

ELECTROVÁLVULA 5/2 G 1/2 BIESTABLE JXPC

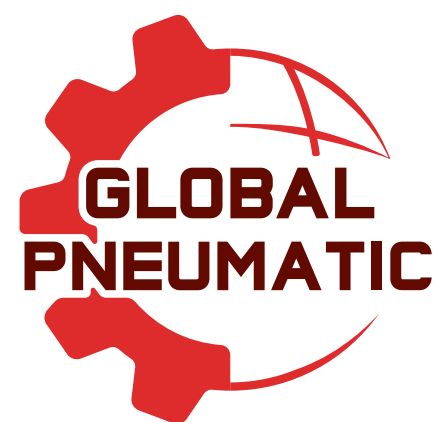
COD. 4V420-15 JXPC

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

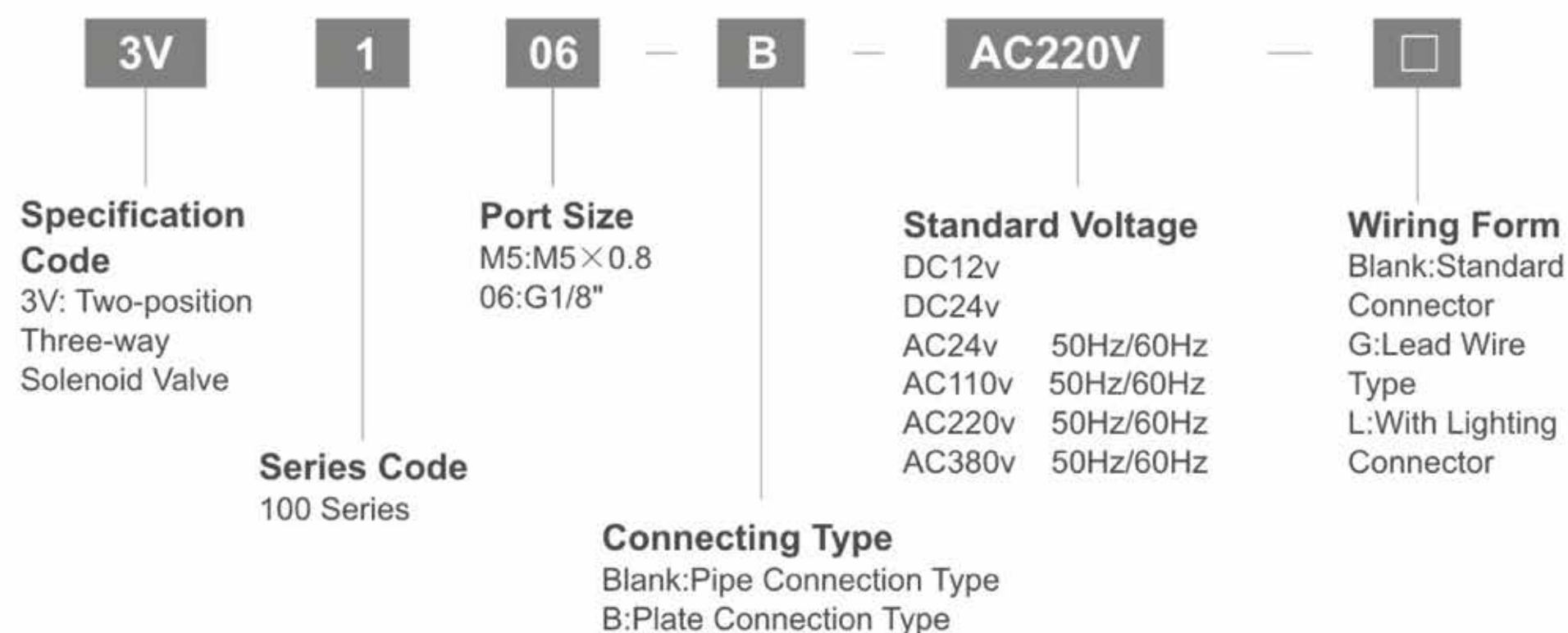
Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.



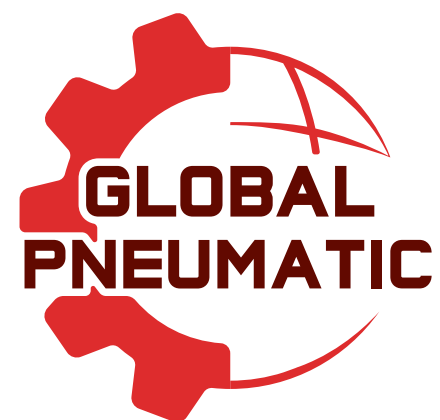
ELECTROVÁLVULA MONO ESTABLE 3V100 SERIES

Ordering code



Specifications

Model	3V1-M5	3V1-06
Working Medium	40 Micron Filtered Air	
Motion Pattern	Direct Drive Type	
Joint Pipe Bore	M5	1/8"
Ambient Temperature	-10~+60°C	
Gas Temperature	5~60°C	
Air Outlet Diameter	1.0mm	
Lubrication	Not Necessary	
Working-pressure	0~0.8MPa	
Max.Pressure Resistance	1.2MPa	
Power Consumption	AC:4.5VA DC:3.0W	
Protect Class	IP65	
Power Connection Form	Gorl	
Material of Body	Aluminum alloy	
Highest Action Frequency	10Cycle / Sec	
Insulation	F Class	
Voltage Range	±10%	
Shortest Excitation Time	0.05 Second	



ELECTROVÁLVULA MONO ESTABLE 3V100 SERIES



MODELO:

ELECTROVÁLVULA 3-2 O DE 1/8

COD. 3V1-06

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA AIRTAC ESV

ISO Standard solenoid valve(5/2 way, 5/3 way)

ESV200, 300, 400, 600 Series

AirTAC



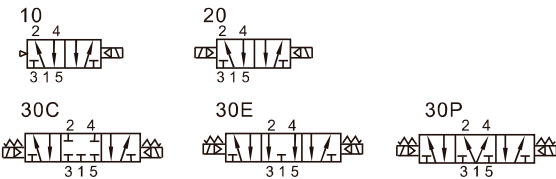
Specification

Model		200 Series	300 Series	400 Series	600 Series
Orifice size(Cv) mm ²		32(Cv=1.8)	42(Cv=2.32)	69(Cv=3.85)	108(Cv=6.0)
Fluid		Air(to be filtered by 40 μ m filter element			
Acting		Internal pilot or external pilot			
Lubrication [Note1]		Not required			
Operating Pressure	Internal pilot	0.2~1.0MPa(2~10bar)(29~145psi)			
	External pilot	0~1.0MPa(0~10bar)(0~145psi)			
Control pressure(External pilot)		0.2~1.0MPa(2~10bar)(29~145psi)			
Proof pressure		1.5MPa(15bar)(215psi)			
Temperature °C		-20~70			
Port size(manifold) [Note2]		1/4"	3/8"	1/2"	3/4"
Port size(end plate)		3/8"	1/2"	3/4"	1"
Voltage range		AC: ±15% DC: ±10%			
Power consumption		AC220V/AC110V: 4.5VA AC24V: 5.0VA DC24V/DC12V: 3.0W			
Activating time	10\20 Series	33\41ms	42\55ms	50\68ms	55\85ms
(0.5MPa)Open/close	30 C\E\I\P Series	38\50ms	50\62ms	50\68ms	55\85ms
Insulation		B Class			
Protection		IP65			
Installation size		ISO5599-1 standard			

[Note1] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended;

[Note2] PT thread and G thread are available.

Symbol



Product feature

- 1. Succinct appearance and compact conformation.
- 2. The installation size conforms to ISO 5599/1 standard.
- 3. Because of the special seals, the feature are large flow rate and long lifetime.
- 4. For 200\300\400 series you can adjust the installation direction of the gasket to change the acting type: internal pilot, external pilot, or air control.
- 5. You need install the valve together with the sub-base. There are individual and parallel type for manifold sub-base.
- 6. There are various connection and installation method for manifold. It is easy to use.
- 7. The manifold of 200\300\400 series have the function of exhaust throttling, so not need to connect another throttle valve.

Ordering code

Ordering code of manifold		ESV 20 1M			
		1	2	3	4 5 6
① Model	② Code	③ Manifold type	④ Thread type	⑤ External pilot port type	⑥ Port position type
ESV: ISO standard solenoid valve	20: 200 Series 30: 300 Series 40: 400 Series 60: 600 Series	1M: Individual sub-base	Blank: PT G: G	Blank: Individual pilot port	Blank: Side port B: Bottom port
		2M: Manifold sub-base		Blank: Individual pilot port W: Centralized pilot port	Blank: Left side port R: Right side port B: Bottom port
		3M: End plate kit		No this code	No this code
	60: 600 Series	4M: Side port block		No this code	Blank: Left side port R: Right side port

[Note] 1. For the same model, the port size of the end-plate is bigger than the sub-base (For example ESV202M, the port size of sub-base is 1/4", and the port size of end plate is 3/8").

2. Only individual pilot port is available for individual sub-base.

3. The manifold sub-base must be used with end plate kit, individual pilot port and centralized pilot port can be mixed.

4. 600 series individual sub-base only has side port, 600 series manifold sub-base only has individual pilot port and bottom port.

5. Only 600 series have side port block.



ELECTROVÁLVULA AIRTAC ESV

ISO Standard solenoid valve(5/2 way, 5/3 way)

ESV200, 300, 400, 600 Series

Airtac

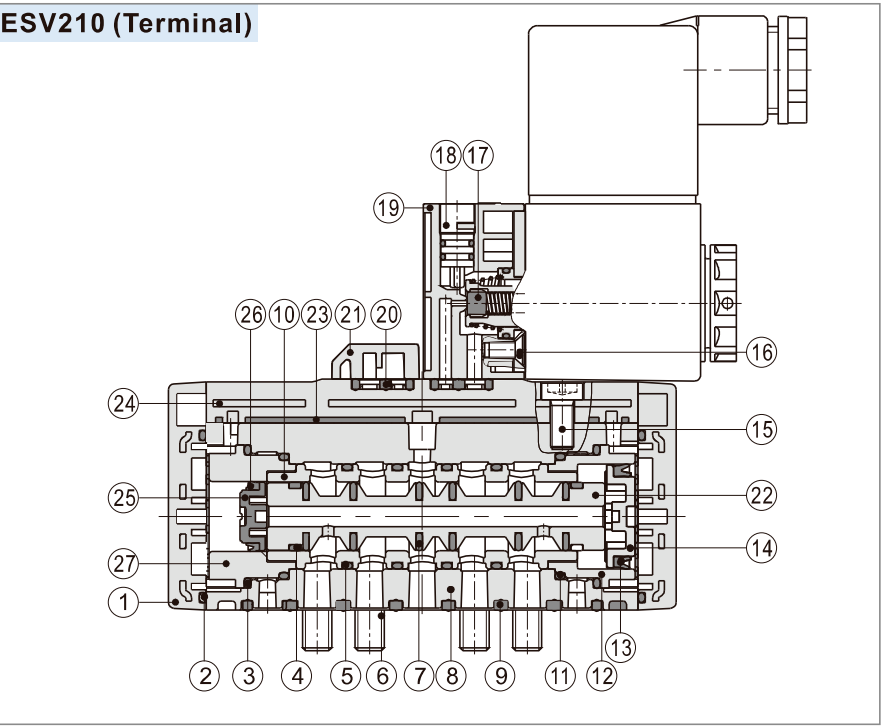
Ordering code

Ordering code of valve					
ESV 2 10 A □ □					
1 2 3 4 5 6					
1 Model	2 Code	3 Valve type	4 Voltage	5 Electrial entry	6 Pilot type [Note1]
ESV: ISO standard solenoid valve	2: 200 Series 3: 300 Series 4: 400 Series 6: 600 Series	10: Single solenoid 5/2 way	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	Blank: Internal pilot W: External pilot
		20: Double solenoid 5/2 way			
		30C: Double solenoid 5/3 way closed center			
		30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center			

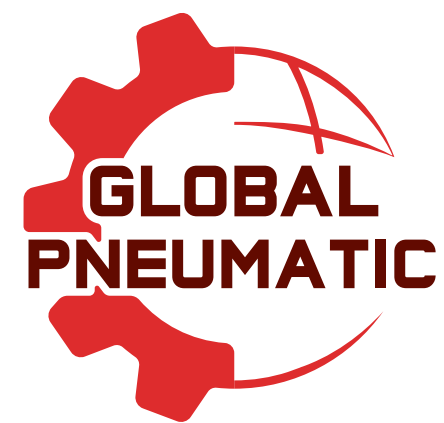
[Note1] Internal pilot can be changed to external pilot mode(except 600 series), please adjust the installation method of the gasket referring to article 1 o 2 in the installation manual.

Ordering code of accessories		
P-ESV200M R2		
1 2 3		
1 Accessories code	2 Code	3 Accessories type
P: Unit accessories	ESV200M: 200 Series manifold ESV300M: 300 Series manifold ESV400M: 400 Series manifold ESV600M: 600 Series manifold	R2: Blank plate for manifold

Inner structure



NO.	Item	NO.	Item	NO.	Item
1	Bottom cover	10	Spacer	19	Pilot kit
2	O-ring	11	O-ring	20	Gasket
3	O-ring	12	Big piston sheath	21	Cover plate
4	Wear ring	13	Big piston O-ring	22	Spool
5	O-ring	14	Big piston	23	Upper cover gasket
6	Screw	15	Screw	24	Upper cover
7	O-ring	16	Screw	25	Small piston
8	Body	17	Gasket	26	Small piston O-ring
9	Gasket	18	Manual override	27	Small piston sheath



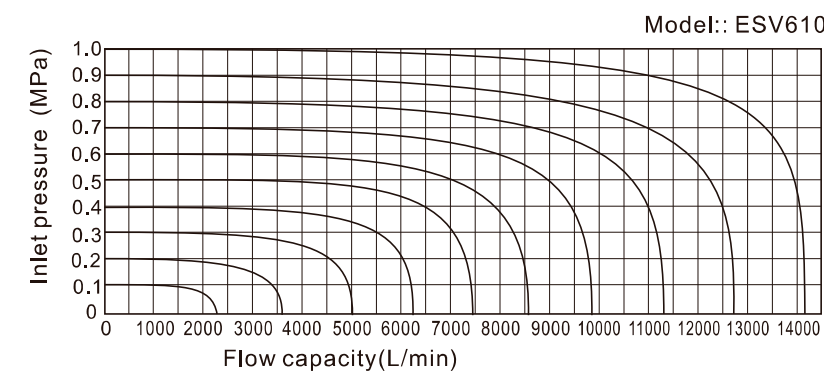
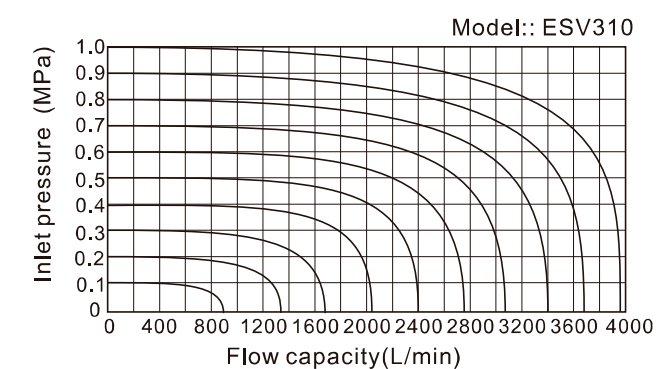
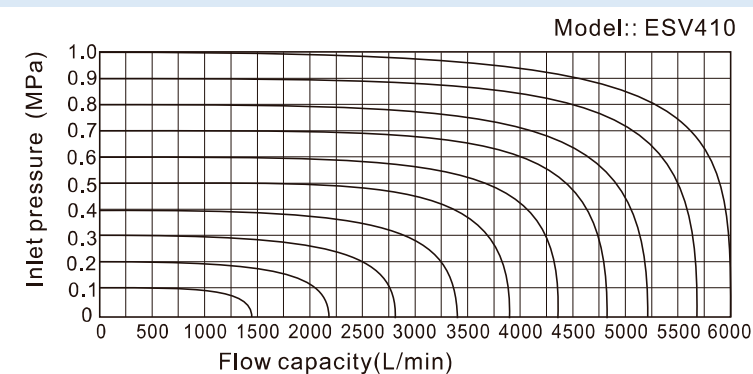
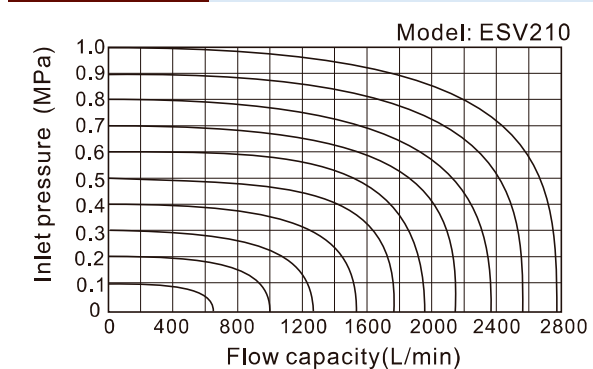
ELECTROVÁLVULA AIRTAC ESV

ISO Standard solenoid valve(5/2 way, 5/3 way)

ESV200, 300, 400, 600 Series

AIRTAC

Flow chart



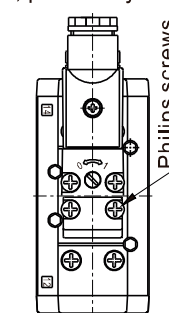
Installation and operation(For 200, 300, 400 series)

1. The classification and selection for the pilot type of valve

- 1.1. According to the source of pilot air, we can divide the valve into two types: the internal pilot and external pilot. The standard type is internal pilot.
- .2. You can convert from internal pilot to external pilot by the following methods.

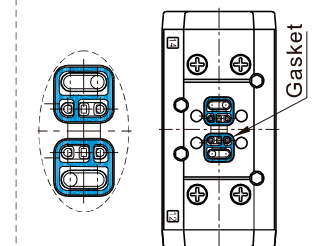
1

Remove the 4 phillips head screws, and then remove the coil, pilot body and cover.



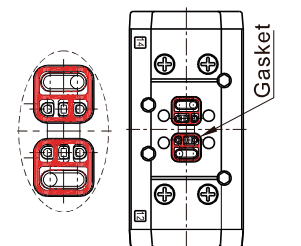
2

Assemble the gasket according to the picture, and then assemble the cover, pilot body and coil- Internal pilot



3

Assemble the pilot O-ring according to the picture, and then, assemble the cover, pilot body and coil- External pilot.



2. The classification and selection for the parallel manifold sub-base

- 2.1. According to the direction of pilot air supply, we can divide the manifold sub-base into two types: the individual pilot and centralized pilot.
- 2.2. If you select the individual pilot, the fitting must be connected to the individual pilot ports. If you select the centralized pilot type, the fitting must be connected to the centralized pilot ports.

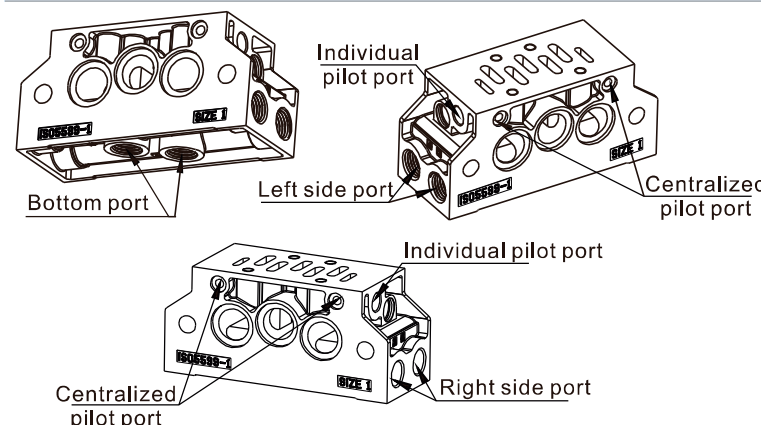
2.3. If you use parallel manifold, all of the manifold must be used the same pilot type:

such as, all of them are the individual pilot type, or all of them are the centralized pilot type.

* Note: Only when you use the external pilot type, you can select the individual pilot or centralized pilot.

When you use the internal pilot type, the pilot ports on the manifold are ineffective.

3. The position and specification of the manifold sub-base ports:

The diagram of manifold sub-base	Port status of manifold sub-base					
	Port name Ordering code	Left side port	Right side port	Bottom port	Centralized pilot port	Individual pilot port
	ESV202MG	Use	Unused	Unused	Unused	Use
	ESV202MGR	Unused	Use	Unused	Unused	Use
	ESV202MGB	Unused	Unused	Use	Unused	Use
	ESV202MGW	Use	Unused	Unused	Use	Unused
	ESV202MGWR	Unused	Use	Unused	Use	Unused
	ESV202MGWB	Unused	Unused	Use	Use	Unused

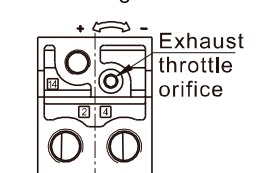
Note: Please seal the bottom port by plug, when it is unused.

The above list is an example of 200M series' ordering code, the other series is follow the same pattern, only need to change the series code.

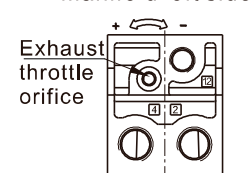
4. Exhaust throttle function

- 4.1. The manifold has exhaust throttle function, the below picture shows the position of the exhaust throttle orifices on each side.
- 4.2. Use allen key to adjust the screw.
- 4.3. Rotate the screw clockwise to reduce the exhaust orifice, rotate the screw counter-clockwise to enlarge the exhaust orifice.

Manifold right side



Manifold left side



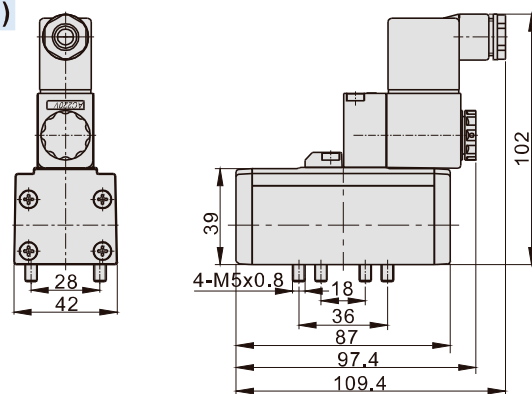
ISO Standard solenoid valve(5/2 way, 5/3 way)

ESV200, 300, 400, 600 Series

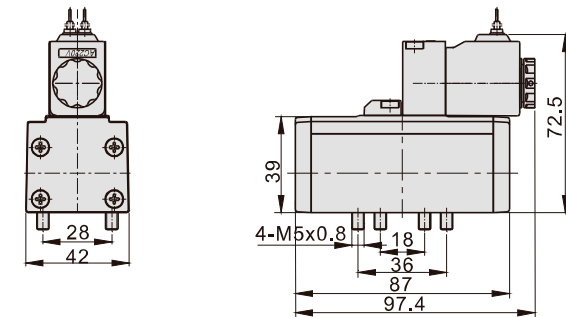
AIRTAC

Dimensions(ESV200 Series)

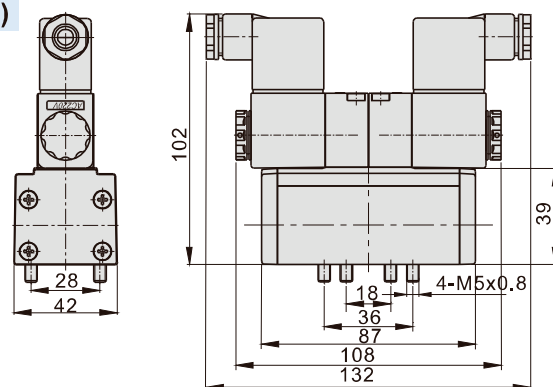
ESV210 (Terminal)



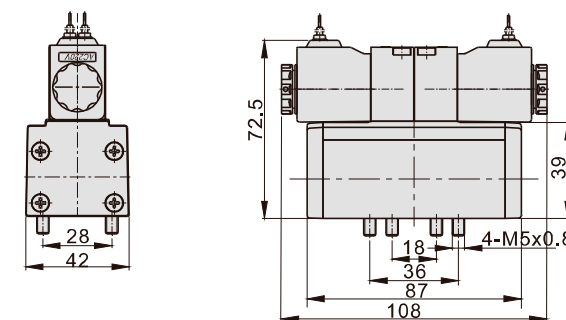
ESV210 (Grommet)



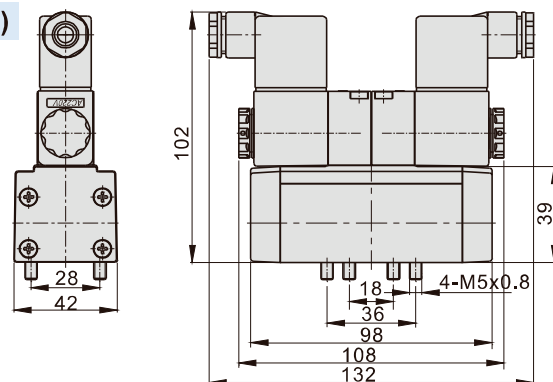
ESV220(Terminal)



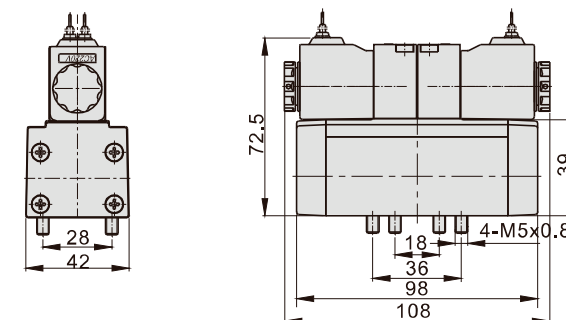
ESV220(Grommet)



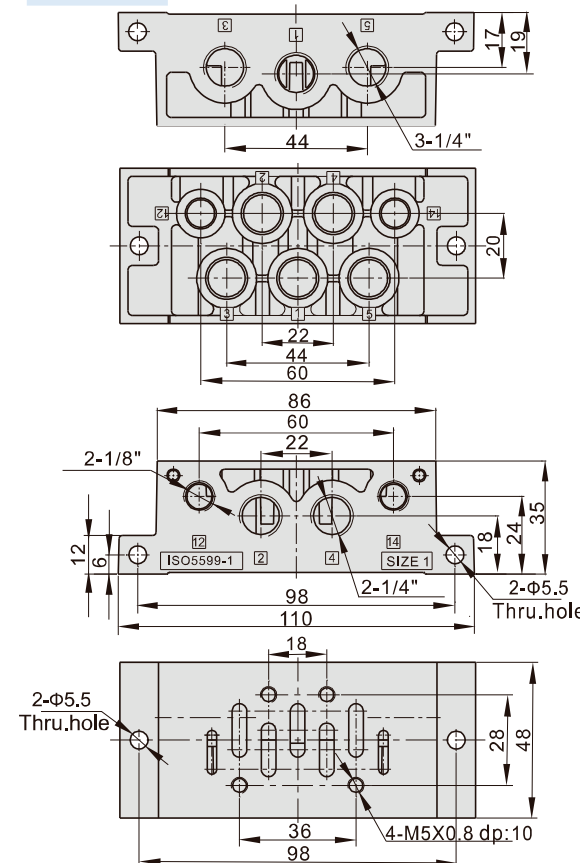
ESV230(Terminal)



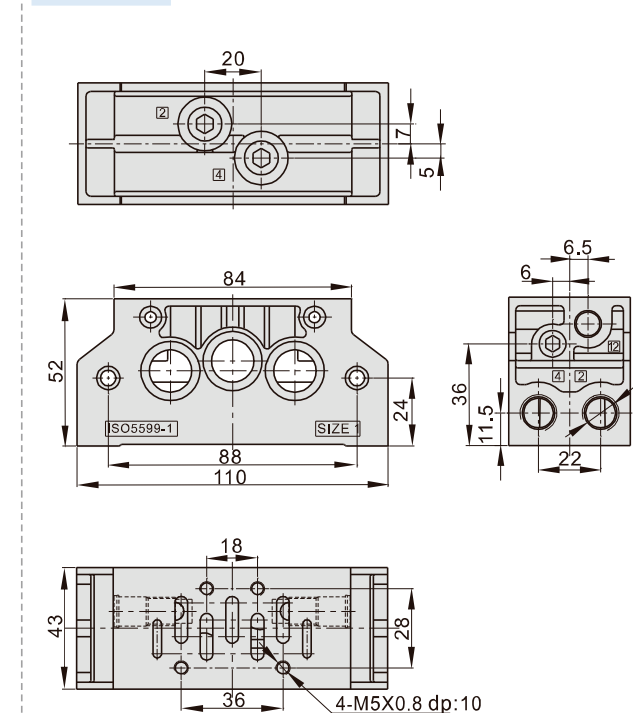
ESV230(Grommet)



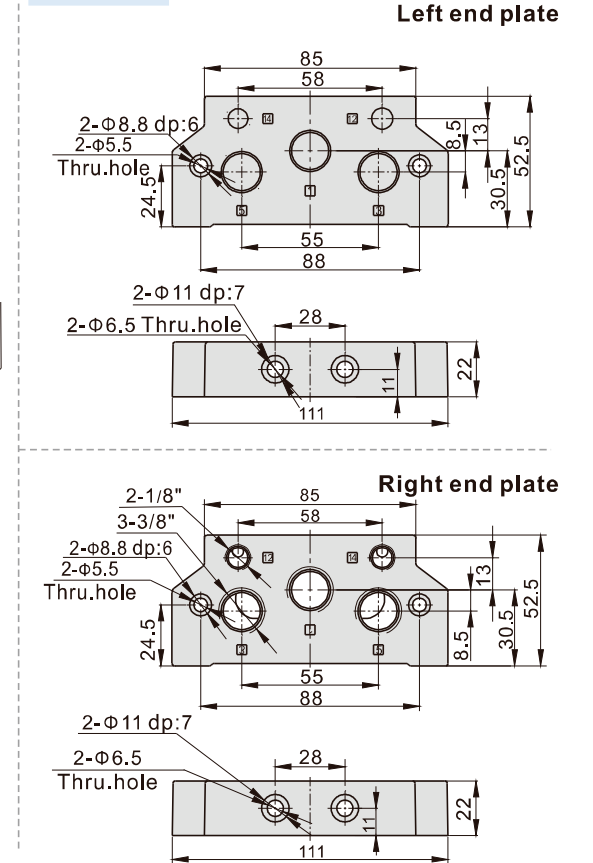
ESV201M

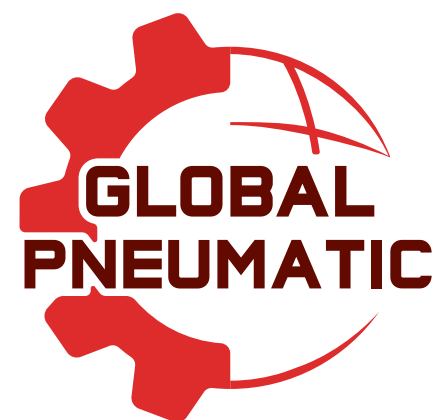


ESV202M



ESV203M





ELECTROVÁLVULA MONO ESTABLE AIRTAC ESV



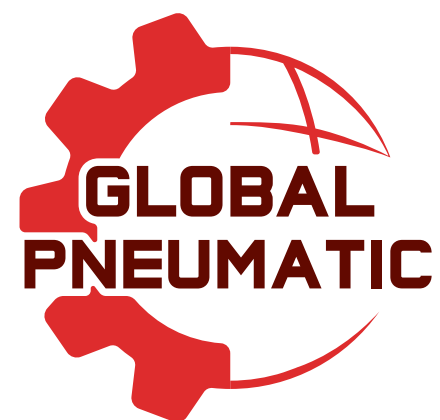
MODELO:

ELECTROVÁLVULA ISO MONOESTABLE MODELO ESV

COD. ESV410

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA MONO ESTABLE AIRTAC CON BASE ESV



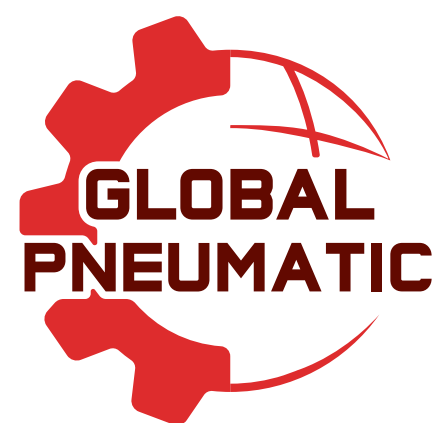
MODELO:

ELECTROVÁLVULA ISO MONOESTABLE MODELO ESV

COD. ESV410 (CON BASE)

DESCRIPCIÓN

Dispositivo electromecánico de regulación y control de aire USADO para controlar el paso de un fluido en una instalación.



ELECTROVÁLVULA BISTABLE AIRTAC ESV



MODELO:

ELECTROVÁLVULA ISO BISTABLE MODELO ESV

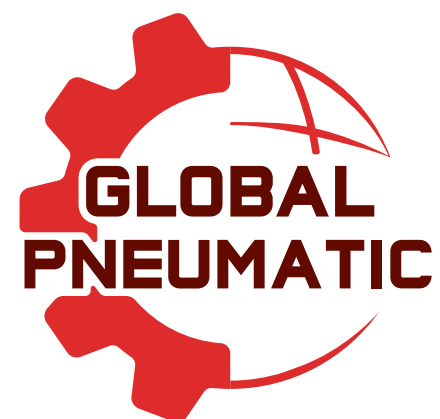
COD. ESV420

DESCRIPCIÓN

Bistable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.



ELECTROVÁLVULA BIESTABLE AIRTAC CON BASE ESV



MODELO:

ELECTROVÁLVULA ISO BIESTABLE MODELO ESV

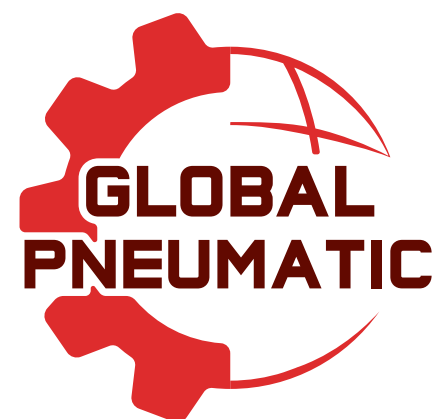
COD. ESV420 (CON BASE)

DESCRIPCIÓN

Biestable, Para control de cilindros de doble efecto en aplicaciones generales e industriales.

Esta electroválvula proporciona un gran caudal de paso de aire y de escape del mismo.

La electroválvula dispone de 2 posiciones estables, con 2 bobinas.



ELECTROVÁLVULA TEMPORIZADA

MODELO:

ELECTROVÁLVULA TEMPORIZADA

COD. CS720-1/2

DESCRIPCIÓN





ELECTROVÁLVULA 2P SERIES

MODELO:

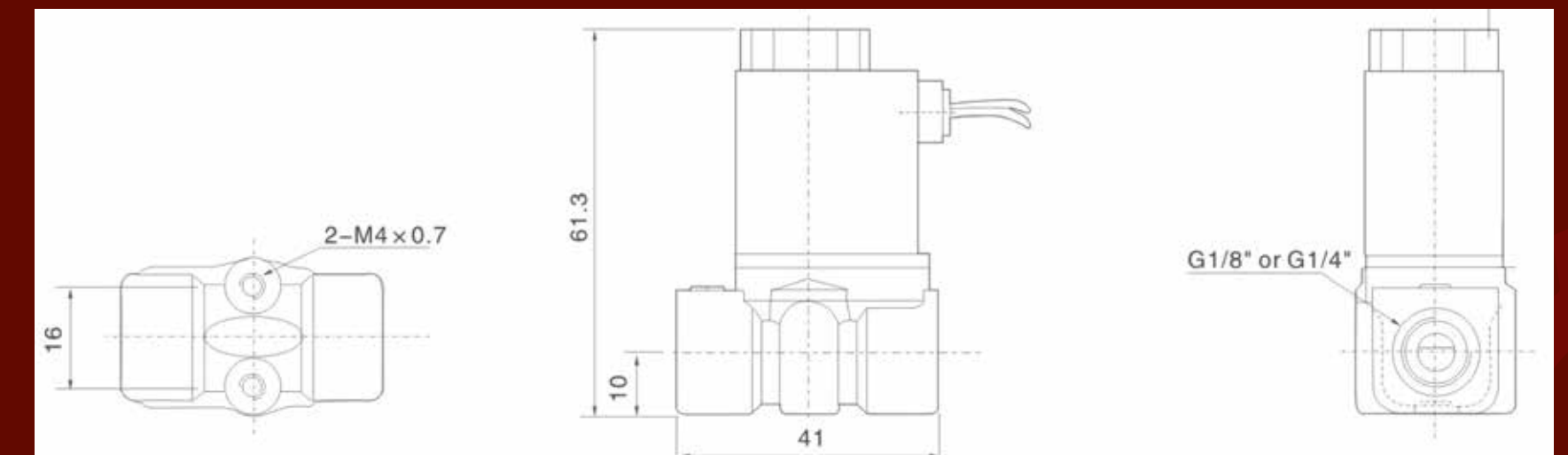
ELECTROVÁLVULA 2/2 N/C 1/4

COD. 2P025-08

Specifications

Model	2P025-06	2P025-08
Working Medium	Air,Water,Oil,gas	
Motion Pattern	Direct Drive Type	
Type	Normal Close Type	
Aperture of Flow Rate(mm)	2.5	
CV Value	0.23	
Port Size	G1/8"	G1/4"
Operation Fluid Viscosity	20 CST (Below)	
Working-pressure	0~0.7MPa	
Max. Pressure Resistance	1.0MPa	
Operating Temperature Range	-5~+80℃	
Voltage Range	± 10%	
Material of Body	Engineering Plastic Steel	
Material of Oil Seal	NBR EPDM or VITON	

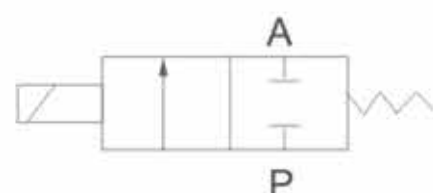
Overall Dimensions



Ordering code

2P	025	06	AC220V	
Specification Code 2P:Two-position Two-way Solenoid Valve (Reinforced plastic steel type)	Aperture of Flow Rate 025:2.5mm	Port Size 06:G1/8" 08:G1/4"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Lead wire Type D: Joint Connector

Graphic Symbol



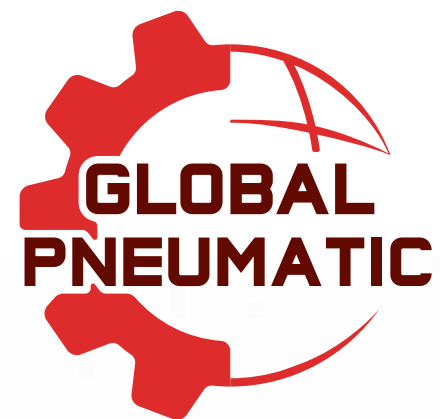
Ordering code

2L	70	15	AC220V
Specification Code 2L:Steam Type Two-position Two-way Solenoid Valve	Aperture of Flow Rate 170:17mm 200:22mm 300:30mm 500:50mm	Port Size 10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 35:G1 1/4" 40:G1 1/2" 50:G2"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz



Specifications

Model	2L170-10	2L170-15	2L170-20	2L200-25	2L300-35	2L300-40	2L500-50
Working Medium	Air, Water, Steam						
Motion Pattern	Guide Type						
Type	Normal Close Type						
Aperture of Flow Rate(mm)	17			22	30		50
CV Value	4.8			12	20		48
Port Size	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"	G2"
Operation Fluid Viscosity	20 CST(Below)						
Working-pressure	Air, Water, Steam:0.1~1.5MPa						
Max. Pressure Resistance	2.25MPa						
Operating Temperature Range	-5~+180℃						
Voltage Range	± 10%						
Material of Body	Brass						
Material of Oil Seal	PTFE						



SMOKE VALVE

MODELO:

SMOKE VALVE (VÁLVULA DE VAPOR) 220V

COD. US- 15 G 1/2



DESCRIPCIÓN

Controla el flujo de VAPOR, es accionado de forma eléctrica y que puede además, ser instalado en lugares remotos de difícil acceso o sometidos a condiciones de trabajo hostiles.



VÁLVULA SOLENOIDE

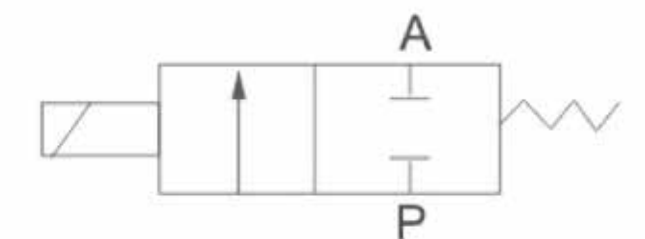
Ordering code

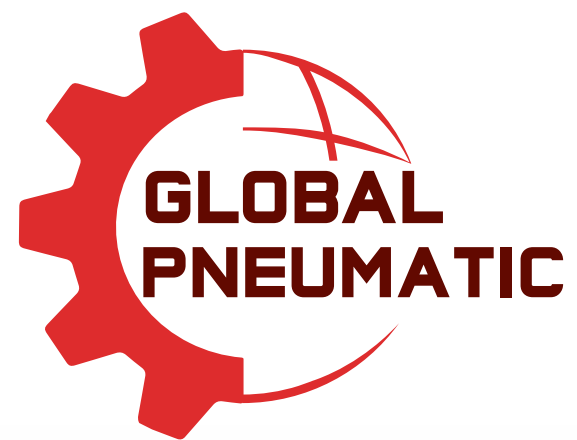
2W	160	15	F	AC220V	
Specification Code 2W:Two-position two-way solenoid valve (direct drive type)	Aperture of Flow Rate 160:16mm 200:20mm 250:25mm 350:35mm 400:40mm 500:50mm	Port Size 10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 35:G1 1/4" 40:G1 1/2" 50:G2"	Initial Estate Blank:Pipe Jiont Type F: Flange Type	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Lead Wire Type D: Joint Connector

Specifications

Model	2W160-10	2W160-15	2W200-20	2W250-25	2W350-35	2W400-40	2W500-50
Working Medium	Air,Water,Oil,gas						
Motion Pattern	Direct Drive Type						
Type	Normal Close Type / Normal Open Type						
Aperture of Flow Rate(mm)	16	20	25	35	40	50	
CV Value	4.8	7.6	12	24	29	48	
Port Size	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"	G2"
Operation Fluid Viscosity	20 CST (Below)						
Working-pressure	Air:0~0.7MPa Water:0~0.5MPa Oil:0~0.5MPa Gas: 0~7MPa						
Max. Pressure Resistance	1.0MPa						
Operating Temperature Range	-5~+80°C						
Voltage Range	± 10%						
Material of Body	Brass						
Material of Oil Seal	NBR EPDM or VITON						

Graphic Symbol





VÁLVULA SOLENOIDE

MODELO:

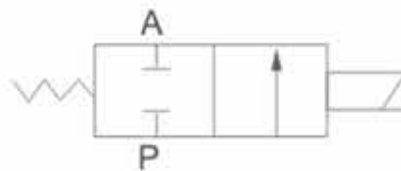
2W-160-15 G 1/2 AC220V

DESCRIPCIÓN

Controla el flujo de líquidos o gases, es accionado de forma eléctrica y que puede además, ser instalado en lugares remotos de difícil acceso o sometidos a condiciones de trabajo hostiles.

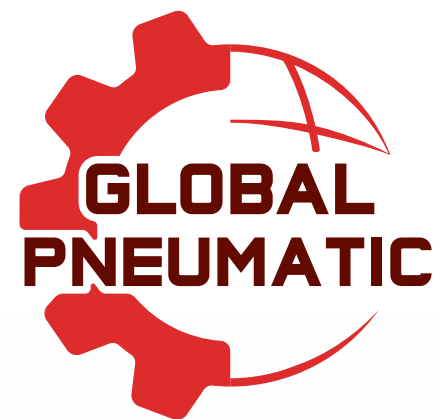


Ordering code

PU	225	03	A	AC220V	T
Specification Code PU:Two-position two-way solenoid valve SPU: Stainless steel two-position two-way solenoid valve	Motion Patten 225: Guide Type	Port Size 03:G3/8" 04:G1/2" 06:G3/4" 08:G1" 12:G1 1/4" 14:G1 1/2" 20:G2"	Initial Estate A: Standard Type F: Flange Type	Standard Voltage AC220V AC110V DC12V DC24V	Wiring Form Blank:Standard Coil T: Timer Coil
Graphic Symbol 					

Specifications

Model	PU225-03A	PU225-04A	PU225-06A	PU225-08A	PU225-12A	PU225-14A	PU225-20A
	SPU225-03A	SPU225-04A	SPU225-06A	SPU225-08A	SPU225-12A	SPU225-14A	
Working Medium	Air,Water,Oil						
Motion Pattern	Guide Type						
Type	Normal Close Type						
Aperture of Flow Rate(mm)	13	13	25	25	38	38	50
CV Value	4.50	4.50	12.00	12.00	22.00	30.00	48.00
Port Size	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"	G2"
Operation Fluid Viscosity	50 CST (Below)						
Working-pressure	0.05~1.0MPa						
Max. Pressure Resistance	1.5MPa						
Operating Temperature Range	-5~+80℃						
Material of Body	Brass or steel						



VÁLVULA SOLENOIDE



MODELO:

SOLENOIDE 2/2 DE 1 1/2

COD. PU225-12

DESCRIPCIÓN

Controla el flujo de líquidos o gases, es accionado de forma eléctrica y que puede además, ser instalado en lugares remotos de difícil acceso o sometidos a condiciones de trabajo hostiles.



BOBINA PARA ELECTROVÁLVULA



MODELO:

BOBINA PARA ELECTROVÁLVULA

COD. CE-MVSC

DESCRIPCIÓN

Bobina para electroválvula o válvula solenoide neumática del tipo 3V y 4V para tamaños 200, 300 y 400.