VICTORY
PNEUMATIC

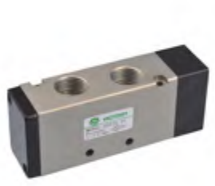
VICTORY
PNEUMATIC

Ningbo Victory Pneumatic Co., Ltd
Add: Xikou Industrial Zone, Ningbo,China
Tel: 86-574-88853605
Fax: 86-574-88099288
E-mail: sales@victorypneumatic.com
Website: www.victorypneumatic.com

www.victorypneumatic.com

VICTORY PNEUMATIC
www.victorypneumatic.com

4V,3V100 Series Solenoid Valve,4A,3A 100 Series Pneumatic Control Valve



4A110-06

4V120-06

3A110-06

3V110-06

Ordering Code

4V	1	10	–	06	□	–	AC220V	–	□
Specification Code	Series Code	Coil and Places		Port Size	Port connection and Initial State		Standard Voltage		Wiring Form

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
100 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
M5:M5×0.8
06:G1/8"

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:With Lighting Connector
W:Lead Wire Type

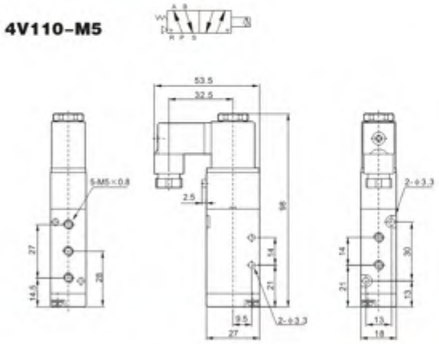
Specification

Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-06
	4A110-M5	4A120-M5	4A130C-M5	4A130E-M5	4A130P-M5	4A110-06	4A120-06	4A130C-06	4A130E-06	4A130P-06
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	10mm²(CV=0.56)		7mm²(CV=0.40)			12mm²(CV=0.67)		9mm²(CV=0.5)		

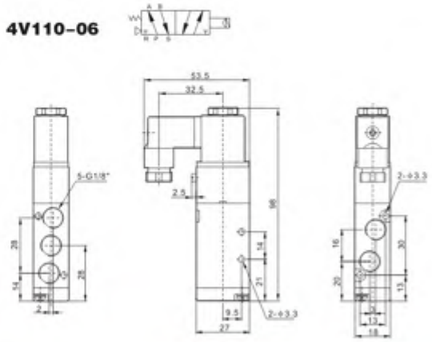
Model	3V110-M5	3V120-M5	3A110-M5	3A120-M5	3VI10-06	3V120-06	3AI10-06	3A120-06
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	10mm²(CV=0.56)				12mm²(CV=0.67)			
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=M5x0.8				Air Inlet=Air Outlet=Exhaust=GI/8"			
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 / Second							
Shortest Excitation Time	0.05 Second							

Overall Dimensions

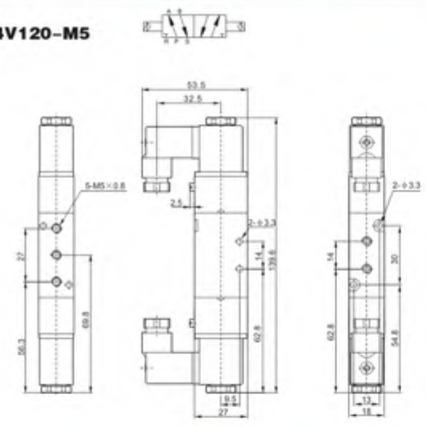
4V110-M5



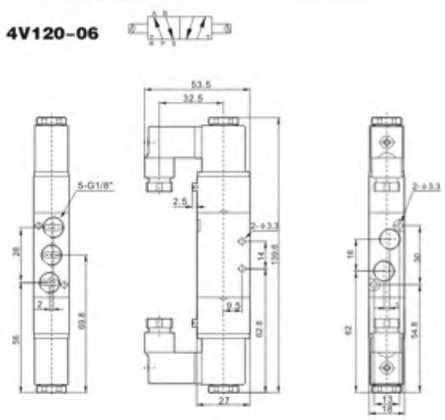
4V110-06



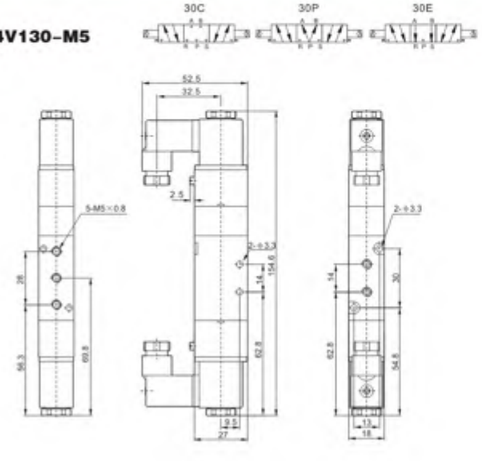
4V120-M5



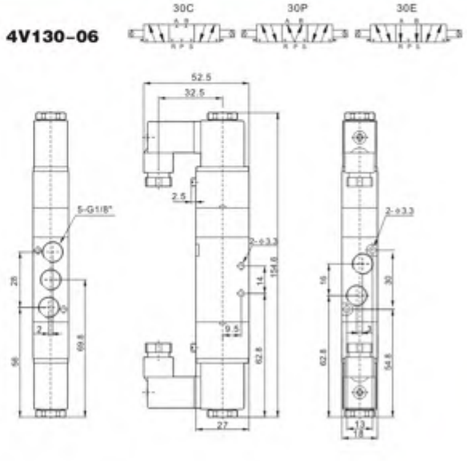
4V120-06



4V130-M5

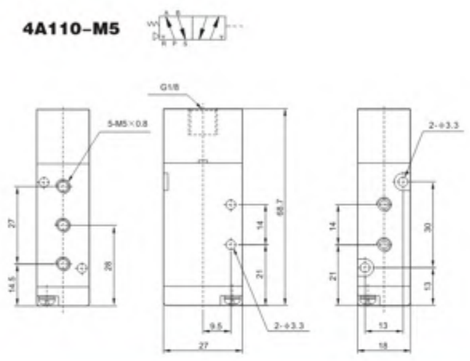


4V130-06

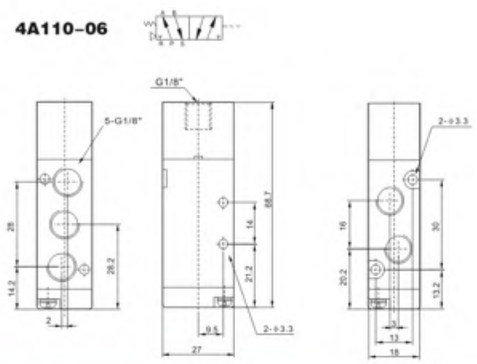


Overall Dimensions

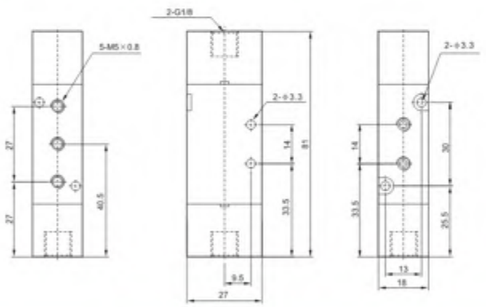
4A110-M5



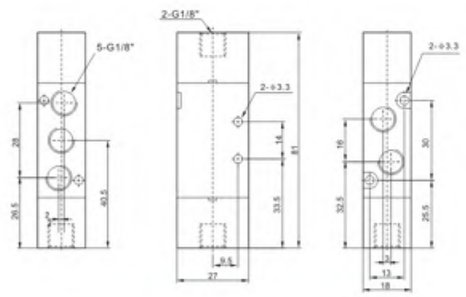
4A110-06



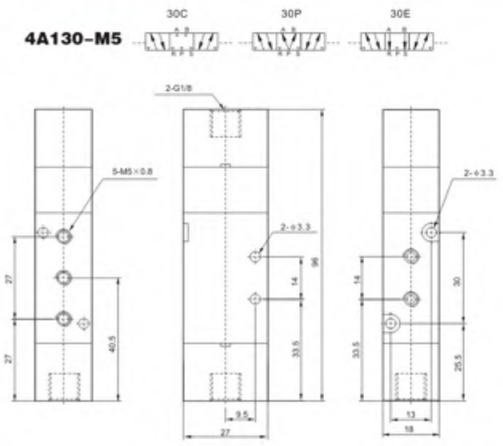
4A120-M5



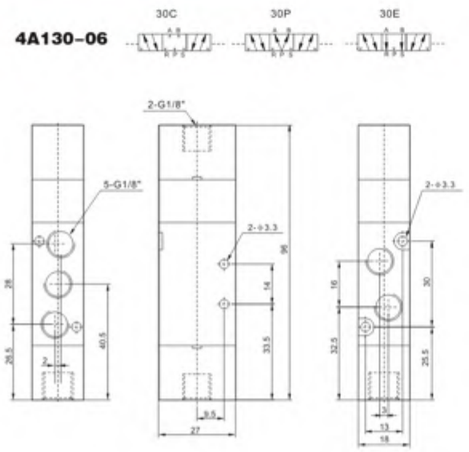
4A120-06



4A130-M5



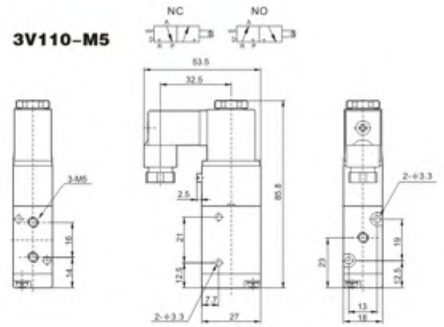
4A130-06



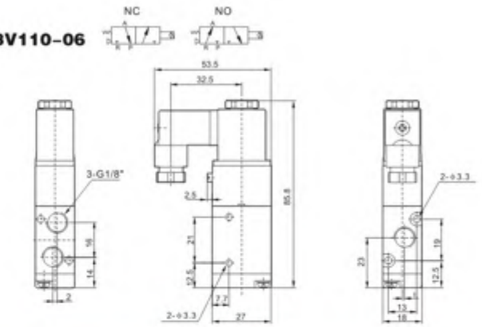
4V,3V100 Series Solenoid Valve,4A,3A100 Series Pneumatic Control Valve

Overall Dimensions

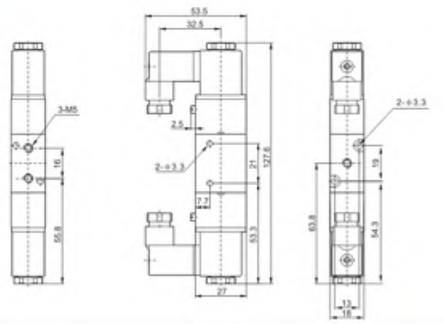
3V110-M5



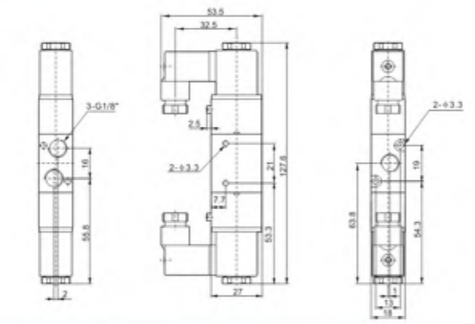
3V110-06



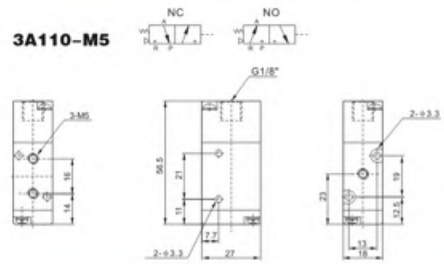
3V120-M5



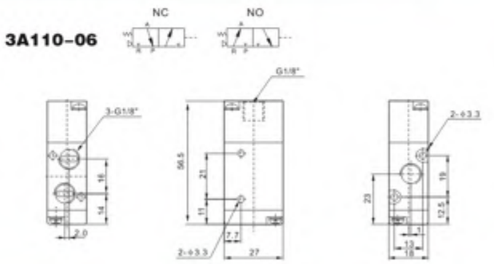
3V120-06



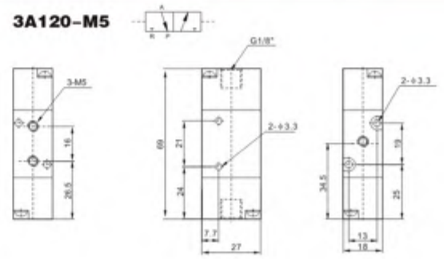
3A110-M5



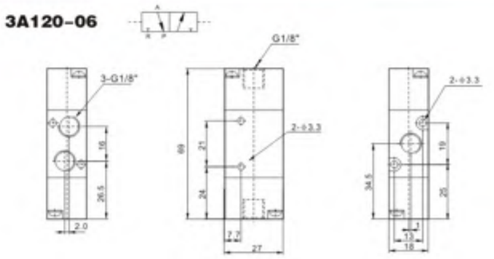
3A110-06



3A120-M5



3A120-06



VICTORY PNEUMATIC
www.victorypneumatic.com

4V,3V200 Series Solenoid Valve, 4A,3A200 Series Pneumatic Control Valve

4A210-08

4V210-08

3A210-08

4V220-08

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 bouble-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:With Lighting Connector
W:Lead Wire Type

Specification

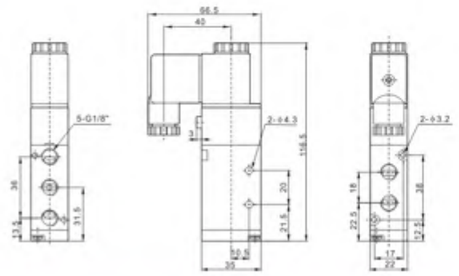
Model	4V210-06	4V220-06	4V230C-06	4V230E-06	4V230P-06	4V210-08	4V220-08	4V230C-08	4V230E-08	4V230P-08
	4A210-06	4A220-06	4A230C-06	4A230E-06	4A230P-06	4A210-08	4A220-08	4A230C-08	4A230E-08	4A230P-08
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	14mm²(CV=0.78)		12mm²(CV=0.67)			16mm²(CV=0.89)		12mm²(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	14mm²(CV=0.78)				16mm²(CV=0.89)			
Joint Pipe Bore	Air Inlet=Air Oute=Exhaust=G1/8"				Air Inlet=Air Outet1/4" Exhaust=Gl/"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							

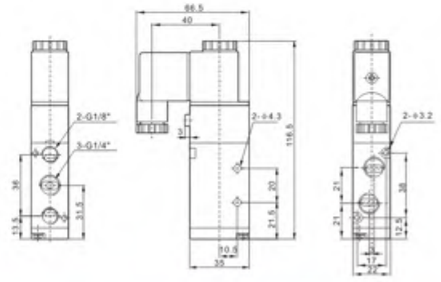
4V,3V200 Series Solenoid Valve, 4A,3A200 Series Pneumatic Control Valve

Overall Dimensions

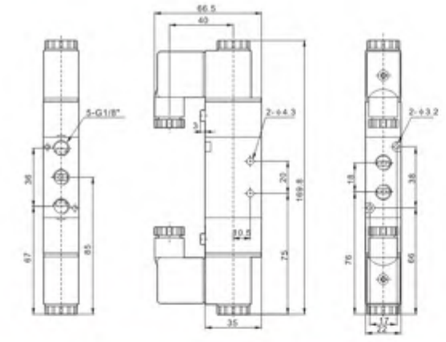
4V210-06



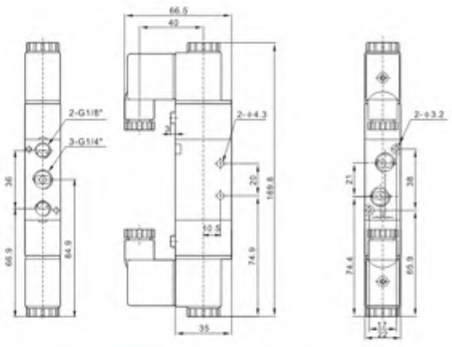
4V210-08



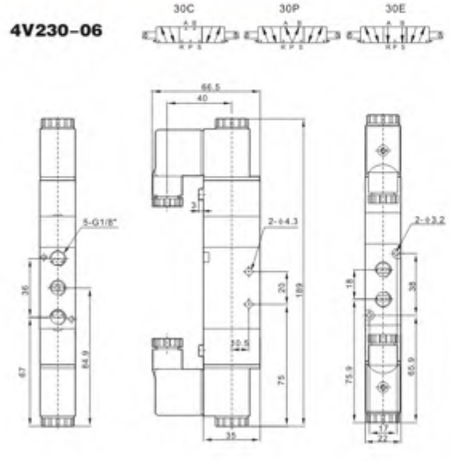
4V220-06



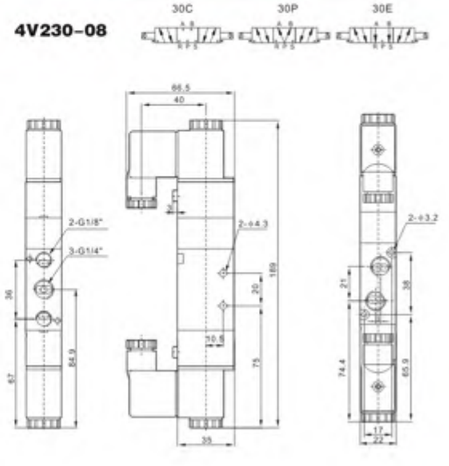
4V220-08



4V230-06



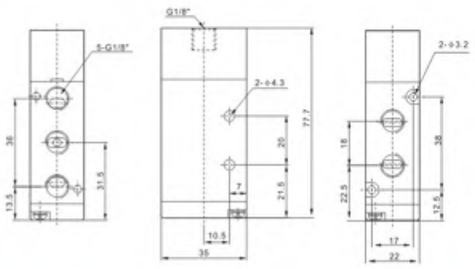
4V230-08



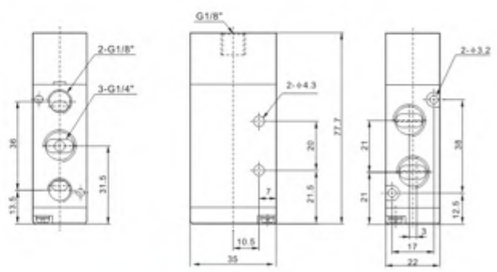
4V,3V200 Series Solenoid Valve, 4A,3A200 Series Pneumatic Control Valve

Overall Dimensions

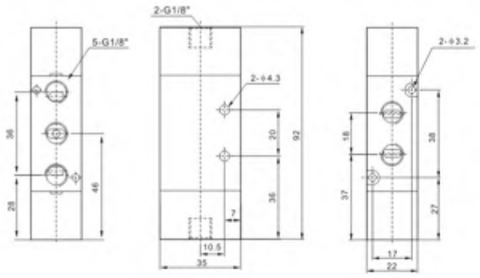
4A210-06



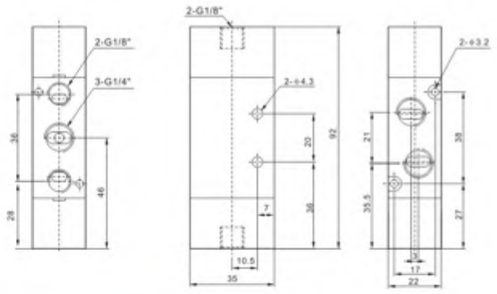
4A210-08



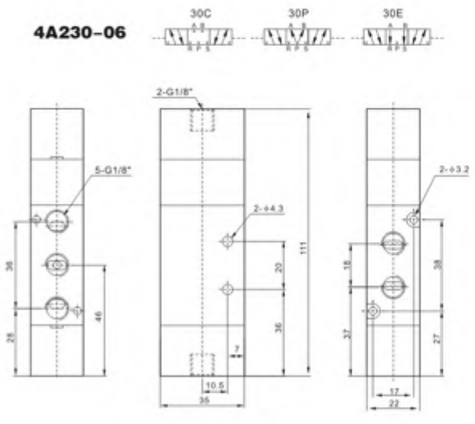
4A220-06



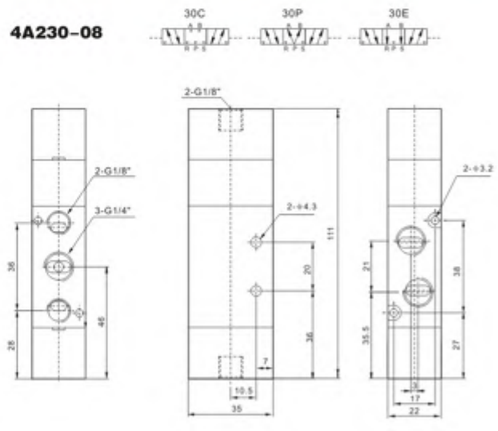
4A220-08



4A230-06



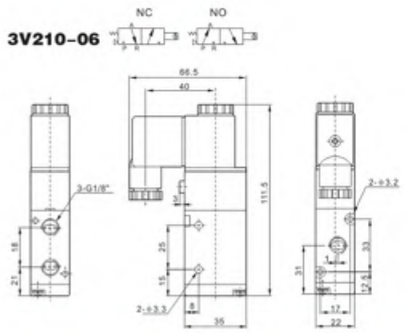
4A230-08



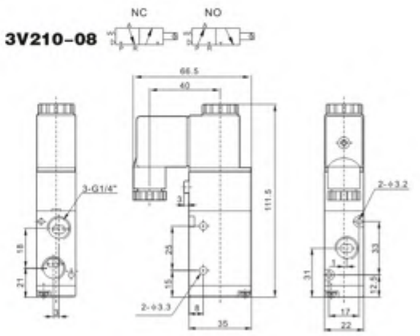
4V,3V200 Series Solenoid Valve, 4A,3A200 Series Pneumatic Control Valve

Overall Dimensions

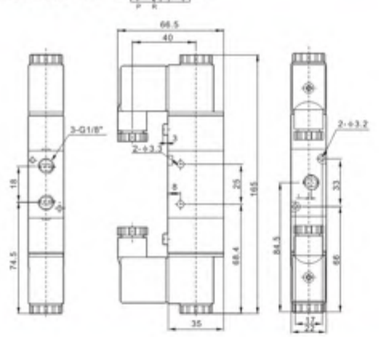
3V210-06



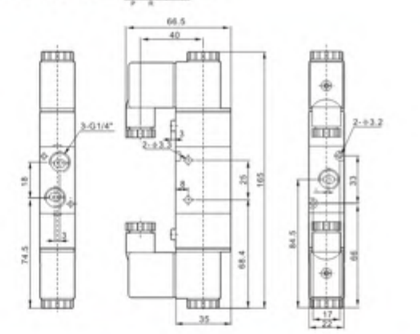
3V210-08



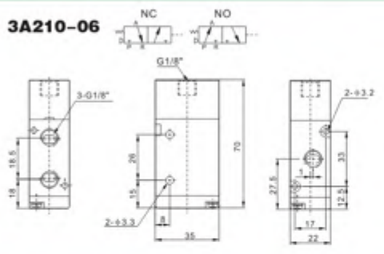
3V220-06



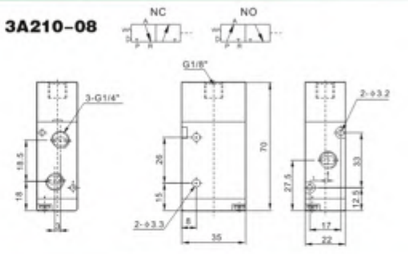
3V220-08



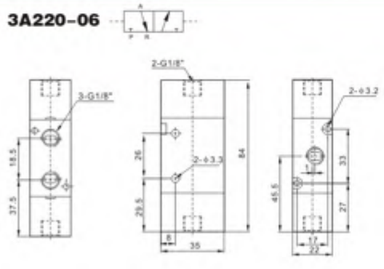
3A210-06



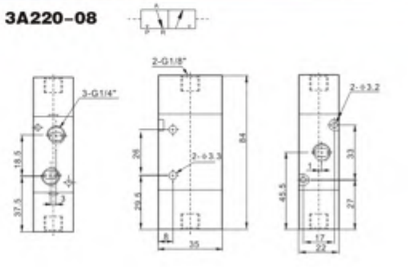
3A210-08



3A220-06



3A220-08



VICTORY PNEUMATIC
www.victorypneumatic.com

4V,3V300 Series Solenoid Valve, 4A,3A300 Series Pneumatic Control Valve

4A310-10

3V310-10

3A310-10

4V320-10

Ordering Code

4V	3	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
300 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
08:G1/4"
10:G3/8"

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:With Lighting Connector
W:Lead Wire Type

Specification

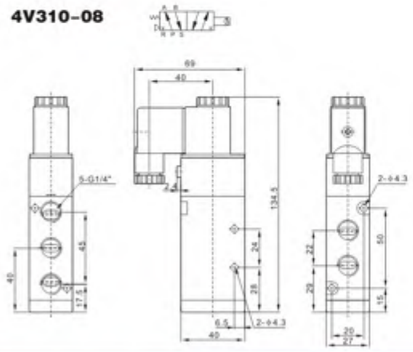
Model	4V310-08 / 4A310-08	4V320-08 / 4A320-08	4V330C-08 / 4A330C-08	4V330E-08 / 4A330E-08	4V330P-08 / 4A330P-08	4V310-10 / 4A310-10	4V320-10 / 4A320-10	4V330C-10 / 4A330C-10	4V330E-10 / 4A330E-10	4V330P-10 / 4A330P-10
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	25mm²(CV=1.40)		18mm²(CV=1.00)			30mm²(CV=1.68)		18mm²(CV=1.00)		

Model	3V310-08	3V320-08	3A310-08	3A320-08	3V310-10	3V320-10	3A310-10	3A320-10
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	25mm²(CV=1.40)				30mm²(CV=1.68)			
Joint Pipe Bore	Air Inlet=Air Oute=Exhaust=G1/4"				Air Inlet=Air Outet=3/8" Exhaust=G1/4"			
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							

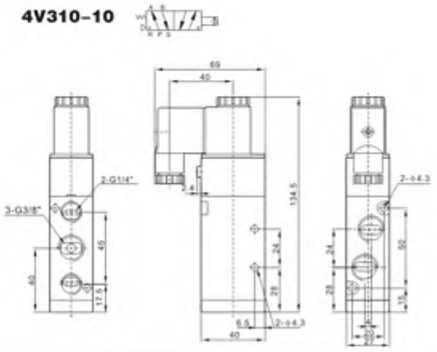
4V,3V300 Series Solenoid Valve, 4A,3A300 Series Pneumatic Control Valve

Overall Dimensions

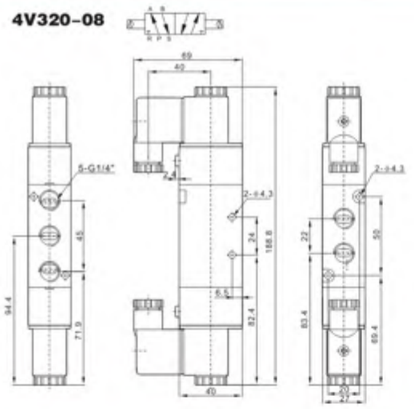
4V310-08



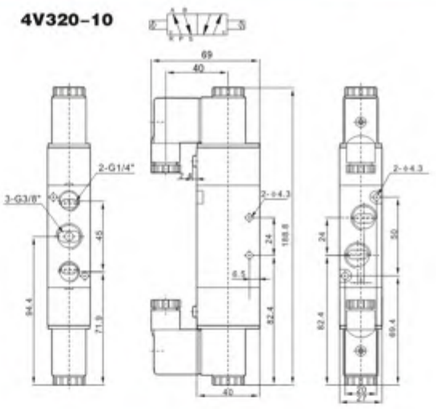
4V310-10



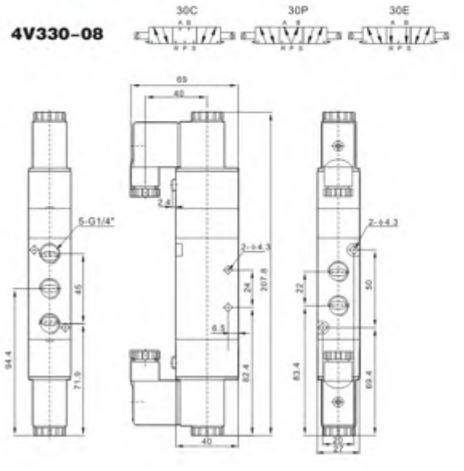
4V320-08



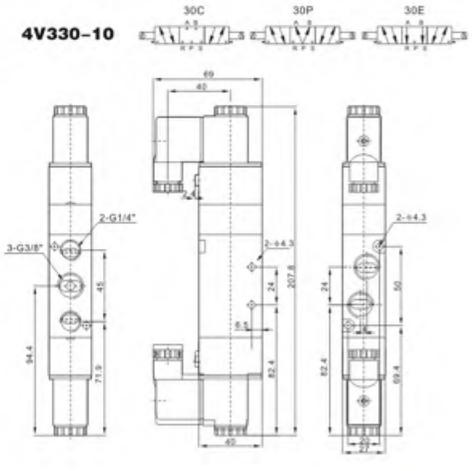
4V320-10



4V330-08



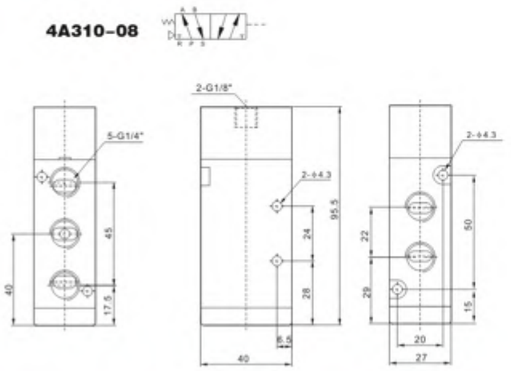
4V330-10



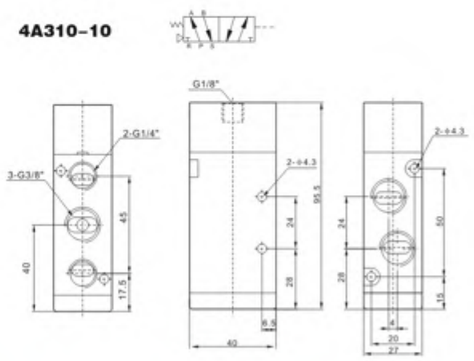
4V,3V300 Series Solenoid Valve, 4A,3A300 Series Pneumatic Control Valve

Overall Dimensions

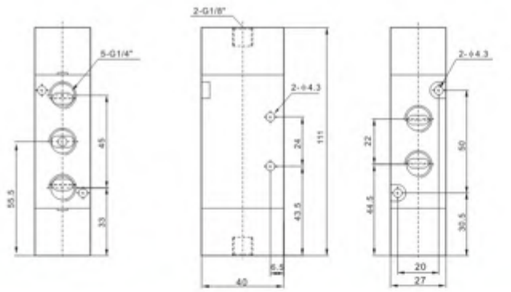
4A310-08



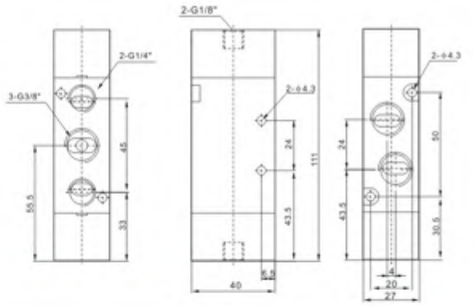
4A310-10



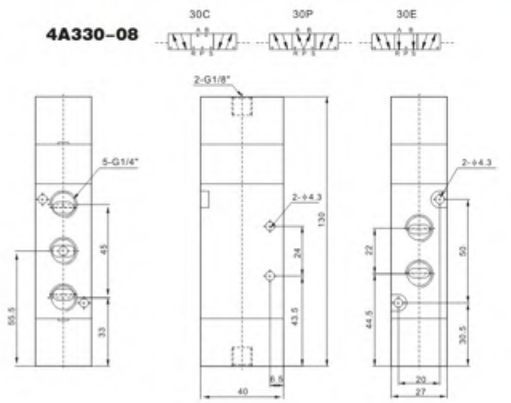
4A320-08



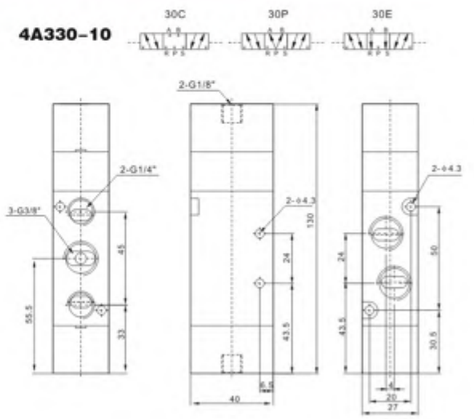
4A320-10



4A330-08



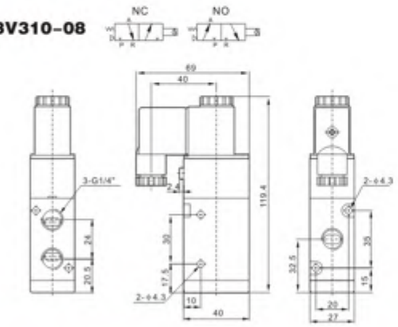
4A330-10



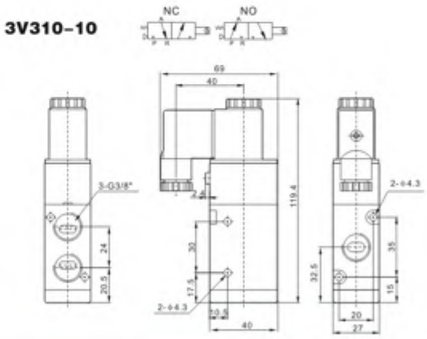
4V,3V300 Series Solenoid Valve, 4A,3A300 Series Pneumatic Control Valve

Overall Dimensions

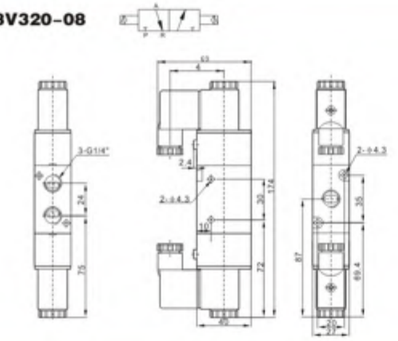
3V310-08



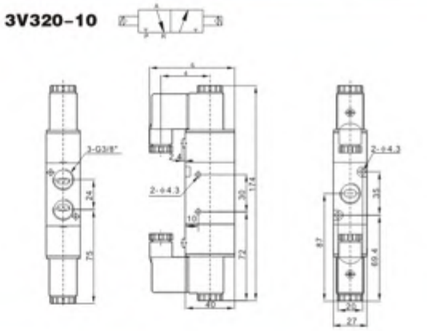
3V310-10



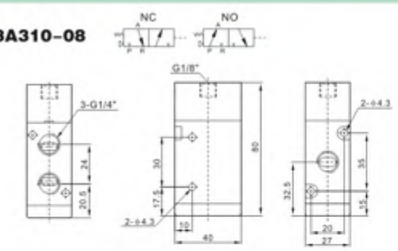
3V320-08



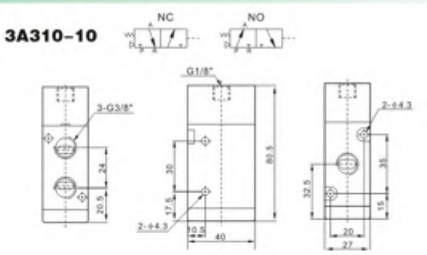
3V320-10



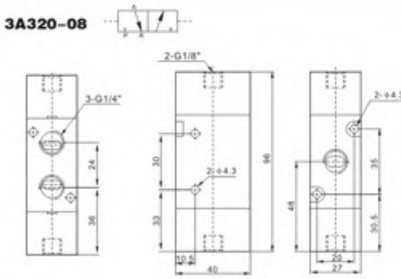
3A310-08



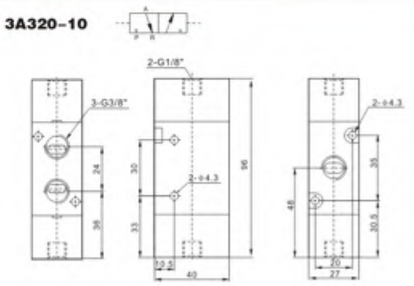
3A310-10



3A320-08



3A320-10



VICTORY PNEUMATIC
www.victorypneumatic.com

4V,3V400 Series Solenoid Valve,4A,3A400 Series Pneumatic Control Valve

3A410-10

3V410-15

4A410-15

4V420-15

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
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:With Lighting Connector
W:Lead Wire Type

Specification

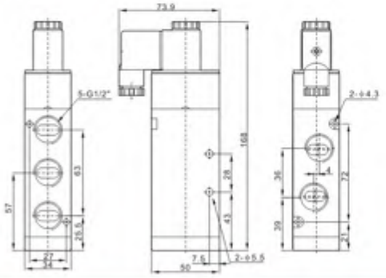
Model	4V410-15 / 4A410-15	4V420-15 / 4A420-15	4V430C-15 / 4A430C-15	4V430E-15 / 4A430E-15	4V430P-15 / 4A430P-15
Position and Way NO.	Two-position Five-way			Three-position Five-way	
Effective Sectional Area	50mm²(CV=2.79)			30mm²(CV=1.68)	

Model	3V410-08	3V420-08	3A410-08	3A420-08
Position and Way NO.	Two-position Three-way			
Effective Section Area	50mm²(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			

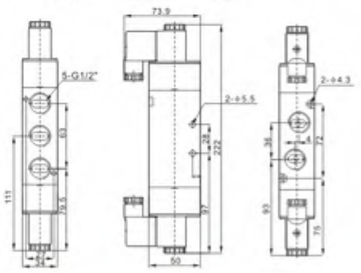
4V,3V400 Series Solenoid Valve,4A,3A400 Series Pneumatic Control Valve

Overall Dimensions

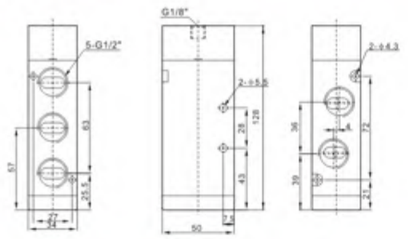
4V410-15



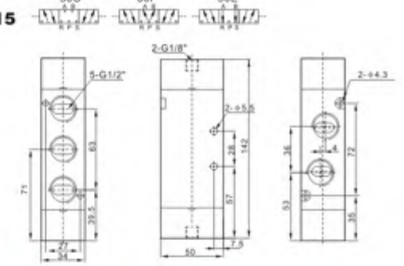
4V420-15
4V430-15



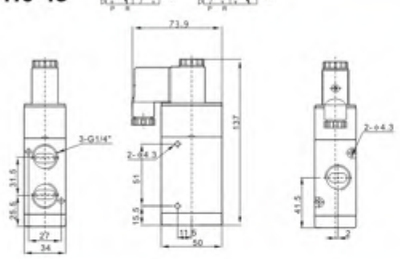
4A410-15



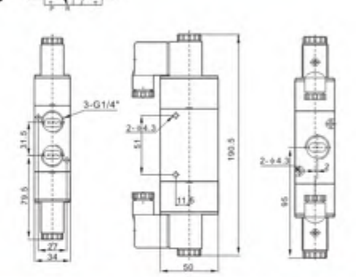
4A420-15
4A430-15



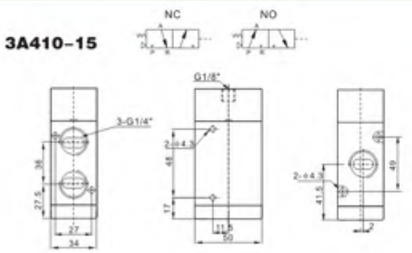
3V410-15



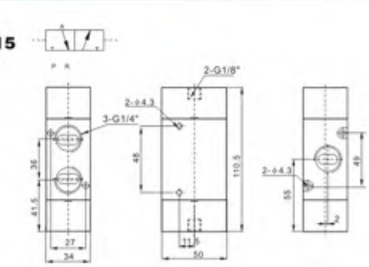
3V420-15



3A410-15



3A420-15



VICTORY PNEUMATIC
www.victorypneumatic.com

4M Series
Namur Valve

4M210-08

4M310-10

4M220-08

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

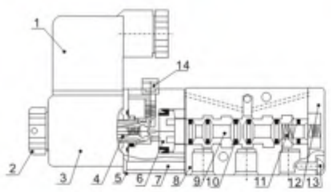
Port Size
06:G1/8"
08:G1/4"
10:G3/8"

Standard Voltage
DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

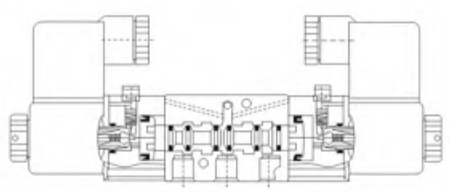
Wiring Form
Blank:Standard Connector
LD:With Lighting Connector
W:Lead Wire Type

Graphic Symbol

Internal structure



4M 210~310



4M 220~320

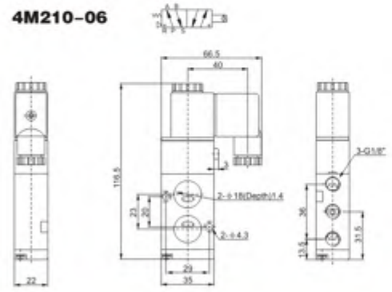
NO	Designation	NO	Designation
1	Connector	8	Valve body
2	Nut	9	Spool
3	Coil	10	O-Ring
4	Pilot untis	11	Spring
5	Plate	12	Rear cover
6	Piston	13	Screw
7	Screw	14	Manual override

Specification

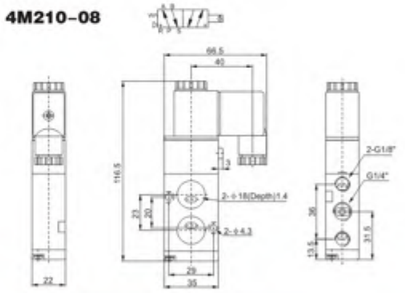
Model	4M210-06	4M220-06	4M210-08	4M220-08	4M310-08	4M320-08	4M310-10	4M320-10
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Position and Way NO.	Two-position Five-way							
Effective Section Area	14mm²(CV=0.78)		16mm²(CV=0.89)		25mm²(CV=1.39)		30mm²(CV=1.67)	
Port 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							

Overall Dimensions

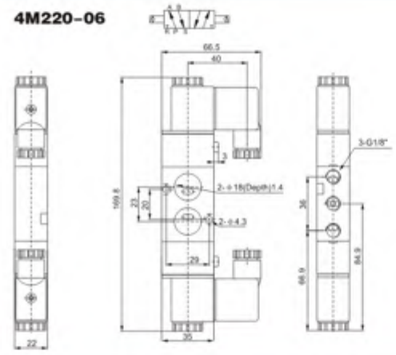
4M210-06



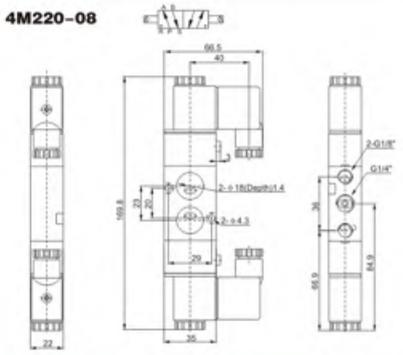
4M210-08



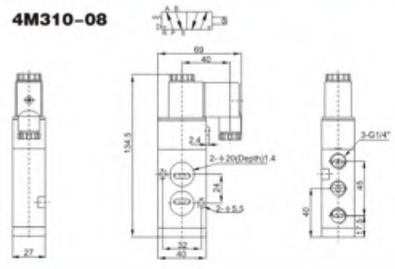
4M220-06



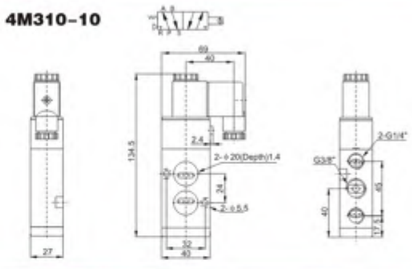
4M220-08



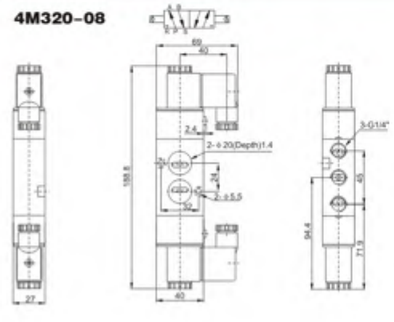
4M310-08



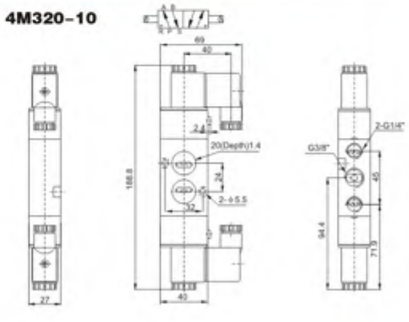
4M310-10



4M320-08



4M320-10



VICTORY PNEUMATIC
www.victorypneumatic.com

3V1 Series Solenoid Valve

3V1-06

Ordering Code

3V 1 06 – B AC220V – □

Specification Code
3V: Two-position Three-way Solenoid Valve

Series Code
100 Series

Port Size
M5:M5×0.8
06:G1/8"

Connecting Type
Blank:Pipe Connection Type
B:Plate Connection Type

Standard Voltage

DC12v	
DC24v	
AC24v	50Hz/60Hz
AC110v	50Hz/60Hz
AC220v	50Hz/60Hz
AC380v	50Hz/60Hz

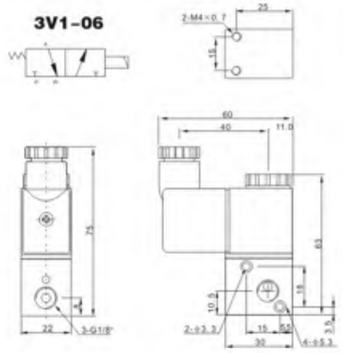
Wiring Form
Blank:Standard Connector
G:Lead Wire Type
L:With Lighting Connector

Specification

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℃	
Gas Temperature	5~60℃	
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	

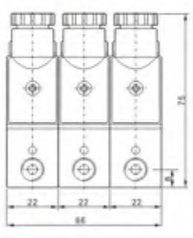
Overall Dimensions

3V1-06

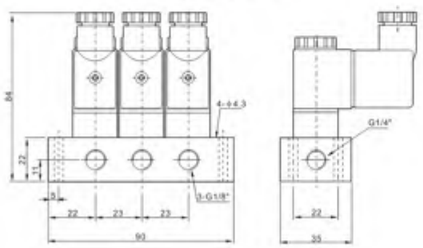


Overall Dimensions

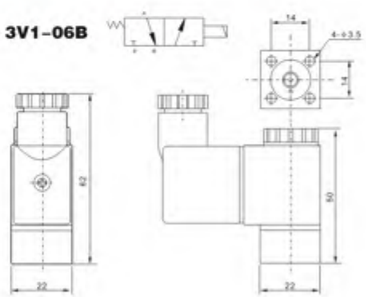
3V1-06-3F



3V1-06B-3F



3V1-06B



Base For 4V、4A Series Valve

Base Ordering Code

4V – 100M – □F

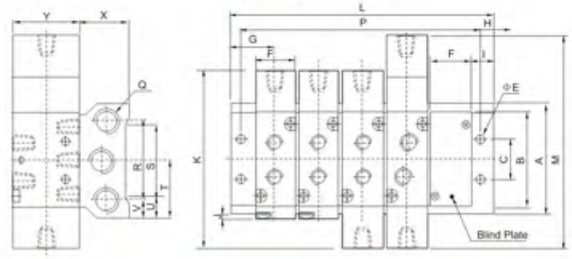
Series Code
4V:For 4V Series use
4A:For 4A Series use

Specification Code
100M:Base for 100 Series Use
200M:Base for 200 Series Use
300M:Base for 300 Series Use
400M:Base for 400 Series Use

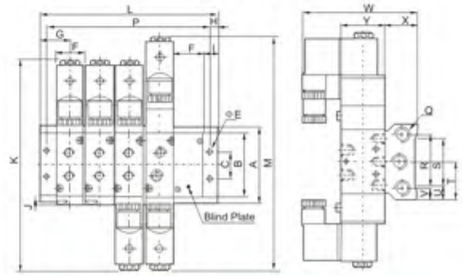
Joint Base Number
1-16

Overall Dimensions

4A Series



4V Series



Dimension Sheet(4A Series)

Model	A	B	C	E	F	G	H	I	J	K	L															
											1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M-□F	58	43.2	20	4.5	18.3	19	5	10	0.8	139.4	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
200M-□F	61	50.7	21	4.5	22.4	23	6	12	1.2	170	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
300M-□F	75	64.8	26	4.5	27.3	27	6	13.5	2.5	188.8	54	82	110	138	166	194	22	250	278	306	334	362	-	-	-	-
400M-□F	104	94.5	32	5.5	34.3	31.5	7	14.5	5	221.8	63	98	133	168	203	238	273	-	-	-	-	-	-	-	-	-

Model	M	P															Q	R	S	T	U	V	W	X	Y
		1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F									
100M-□F	154.5	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313	G1/4"	40	30	29	14	9	79	25	27
200M-□F	189	34	57	80	103	126	149	172	195	218	241	264	287	310	333	256	379	G1/4"	43	32	30.5	14.5	9	93	26	35
300M-□F	208	42	70	98	126	154	182	210	238	266	294	322	350	-	-	-	-	G3/8"	53	48	37.5	13.5	11	99.5	30	40
400M-□F	243	49	84	119	154	189	224	259	-	-	-	-	-	-	-	-	-	G1/2"	68	67	52	18.5	18	112.5	38	50

Dimension Sheet(4V Series)

Model	A	B	C	E	F	G	H	I	J	K	L															
											1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M-□F	58	43.2	20	4.5	18.3	19	5	10	0.8	81	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
200M-□F	61	50.7	21	4.5	22.4	23	6	12	1.2	92	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
300M-□F	75	64.8	26	4.5	27.3	27	6	13.5	2.5	111	54	82	110	138	166	194	22	250	278	306	334	362	-	-	-	-
400M-□F	104	94.5	32	5.5	34.3	31.5	7	14.5	5	142	71	98	133	168	203	238	273	-	-	-	-	-	-	-	-	-

Model	M	P															Q	R	S	T	U	V	X	Y
		1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F								
100M-□F	96	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313	G1/4"	40	30	29	14	9	25	27
200M-□F	111	34	57	80	103	126	149	172	195	218	241	264	287	310	333	256	379	G1/4"	43	32	30.5	14.5	9	26	35
300M-□F	130	42	70	98	126	154	182	210	238	266	294	322	350	-	-	-	-	G3/8"	53	48	37.5	13.5	11	30	40
400M-□F	163	49	84	119	154	189	224	259	-	-	-	-	-	-	-	-	-	G1/2"	68	67	52	18.5	18	38	50

VICTORY PNEUMATIC
www.victorypneumatic.com

MSV Series Mechanical Valve

MSV98322-TB MSV98322-R MSV98322-PP MSV98322-PB MSV98322-EB MSV86522-TB MSV86522-R MSV86522-PP MSV86522-PB MSV86522-EB

Ordering Code

MSV 98 32 1 R

Specification Code
Mechanical Valve

Series Code
98 Series
86 Series

Position and Way Number
32:Two-position Three-way
52:Two-position Five-way

Port Size
1:G1/8"
2:G1/4"

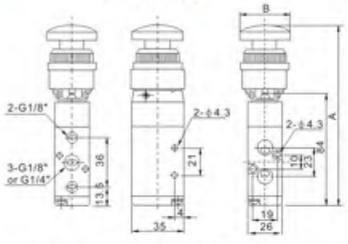
Button type
Blank:Normal Type
R: Roller Type
TB:Selective Knob
LB:Strengthened Knob
PB:Large Round Boutton
PP:Plat Round Button
PPL:Convex Round Button
EB:With Lock Button

Specification

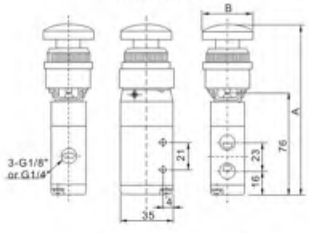
Model	MSV86321	MSV86522	MSV98322
Working Medium	40 Micron Filtered Air		
Position and Way No.	Two-position Three-way	Two-position Five-way	Two position Three-way
Effective Section Area	12mm² (CV=0.67)	16mm²(CV=0.89)	16mm²(CV=0.89)
Port Size	G1/8"	G1/4"	G1/4"
Pressure Range	0~0.8Mpa		
Temperature Range	0~60℃		

Overall Dimensions

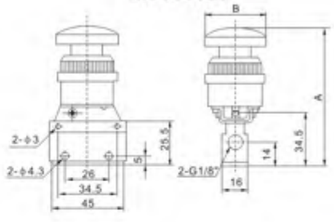
MSV86522



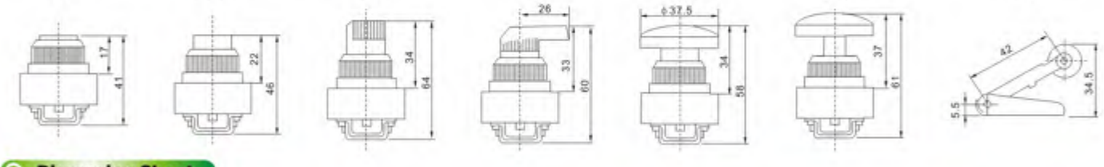
MSV98322



MSV86321



PP PPL TB LB PB EB R



Dimension Sheet

Series	Symbol/Model	PP	PPL	LB	TB	EB	PB	R
MSV86522	A	114	119	133	136.5	134	131	107.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5
MSV98322	A	106	111	125	129.5	126	123	99.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5
MSV86321	A	66	71	85	88.5	86	83	59.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5

JM Series Mechanical Valve

JM-05 JM-06 JM-06A JM-07

Ordering Code

JM — 05

Specification Code
Stop-type Machinery Valve

Button Type
05:Selective Knob
06:With Lock Button
06A:Plat Round Button
07:Roller Type

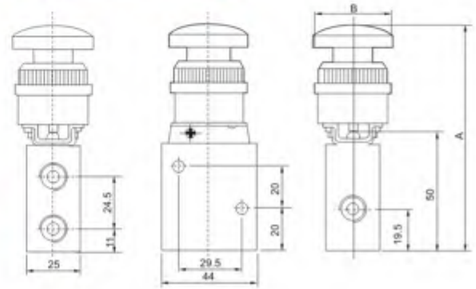
Specification

Model	JM-05	JM-06	JM-06A	JM-07
Working Medium	40 Micron Filtered Air			
Position and Way No.	0~0.8MPa			
Port Size	G1/4"			
Working-pressure Range	Two-position Three-way,Two-position Two-way			
Operating Temperature	0~60℃			

Dimension Sheet

Model	JM-05	JM-06	JM-06A	JM-07
A	114	111	96	84.5
B	36.5	39.5	39.5	42.5

Overall Dimensions



MOV Series Mechanical Valve

MOV-01 MOV-02 MOV-03 MOV-04

Ordering Code

MOV — 01

Specification Code
Machine-Control, Hand-Control Valve

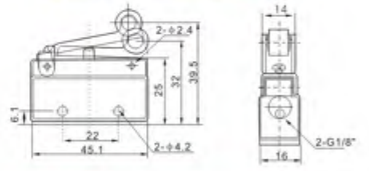
Button Type
01:Selective Knob
02:Roller Type
03:With Lock Button
04:Plat Round Button

Specification

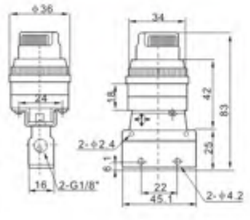
Model	MOV-01	MOV-02	MOV-03	MOV-04
Working Medium	Air			
Position and Way No.	Two-position Two-way			
Port Size	G1/8"			
Working-pressure Range	0~0.8MPa			
Operating Temperature	0~70℃			

Overall Dimensions

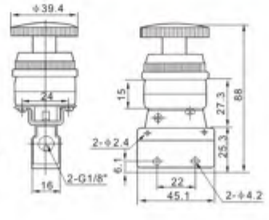
MOV-02



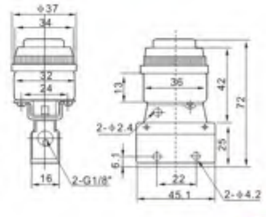
MOV-01



MOV-03



MOV-04



VICTORY PNEUMATIC
www.victorypneumatic.com

4R,3R Series
Hand-draw Valve

4R210-08

3R210-08

Ordering Code

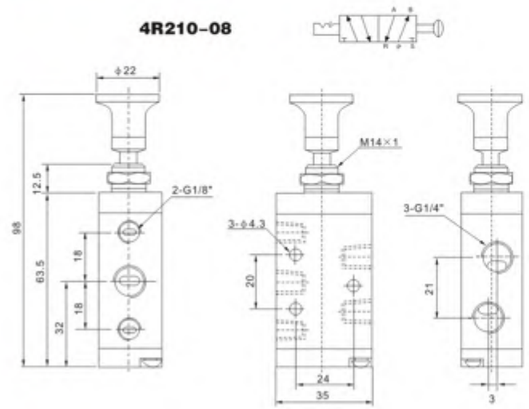
4R	2	10	06
Specification Code 4R:Two-position Five-way Hand-draw Valve 3R:Two-position Three-way Hand-draw Valve	**Series Code** 200 Series 300 Series 400 Series	**Number of Places** 10:Single-head Double-position	**Port Size** 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2"

Specification

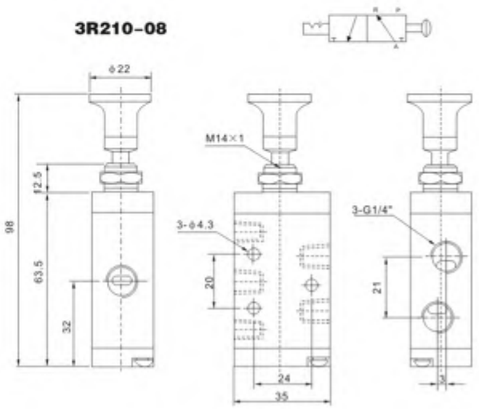
Model	4R110-06	4R210-08	4R310-10	4R410-15	3R110-06	3R210-08	3R310-10	3R410-15
Working Medium	Compresses Air							
Position and Way No.	Two-position Five-way				Two-position Three-way			
Joint Pipe Bore	G1/8"	G1/4"	G3/8"	G1/2"	G1/8"	G1/4"	G3/8"	G1/2"
Working-pressure Range	0~1.0MPa							
Operating Temperature Range	-5~60℃							
Operating Method	Direct Action Type							
Lubrication	Not Required							

Overall Dimensions

4R210-08



3R210-08



HV,K34 Series
Hand-switching Valve

HV-02

K34R$_8$-L8

K34-R$_8$-L8D

Ordering Code

HV	—	02	□
Specification Code Hand-switching Valve		**Port Size** 02:G1/4" 03:G3/8" 04:G1/2"	**Joint Pipe Type** Blank:Pipe Connection Type B:Plate Connection Type

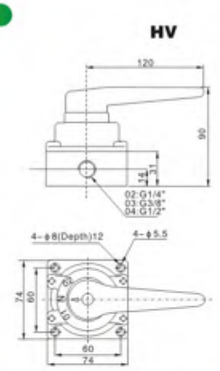
K	34	—	R$_8$	L8	D
Specification Code Hand-switching Valve	**Position and way NO.** 24:Two-position Four-way 34:Three-position Four-way		**Type Code** R$_8$:Hand-switching Valve	**Port Size** L6:G1/8" L8:G1/4"	**Base Joint**

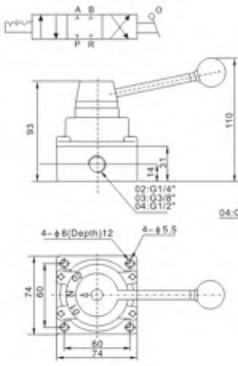
Specification

Model	HV-02	HV-03	HV-04	K34R$_8$-L6	K34R$_8$-L8
Working Medium	40 Micron Filtered Air				
Effective Sectional Atea	30mm^2(cv+1.68)			18mm^2(cv+1.00)	
Port Size	G1/4"	G3/8"	G1/2"	G1/8"	G1/4"
Working-pressure Range	0~0.8MPa				
Operating Temperature Range	0~60℃				

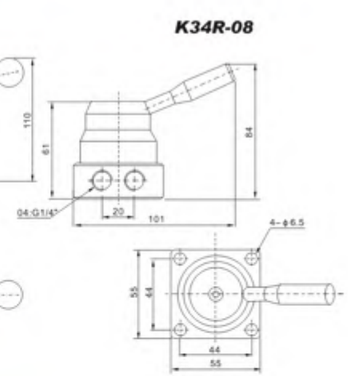
Overall Dimensions

HV





K34R-08



4HV Series
Hand-switching Valve

Ordering Code

4HV	230	—	08	—	T
Specification Code 4HV: Hand-switching Valve	**Number of Places** 230: Two-position Three-way 330: Three-position Three-way 430: Three-position Four-way		**Port Size** 08: PT1/4" 10: PT3/8" 15: PT1/2"		**Install Type** Blank: Body of Valve Install T: Panel Install

VICTORY PNEUMATIC
www.victorypneumatic.com

TSV Series Hand-pull Valve

TSV86522-M

TSV98322-M

Ordering Code

TSV86	52	2	—	M
Specification Code Hand-pull Valve	**Position and Way NO.** Two-position Five-way	**Port Size** 1:G1/8" 2:G1/4"		**Type Code** M:Machinery Locking Type S:Spring Return Type

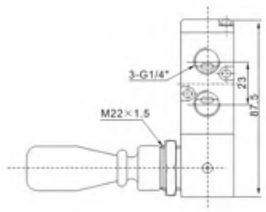
TSV98	32	2	—	M
Specification Code Hand-pull Valve	**Position and Way NO.** Two-position Three-way	**Port Size** 1:G1/8" 2:G1/4"		**Type Code** M:Machinery Locking Type S:Spring Return Type

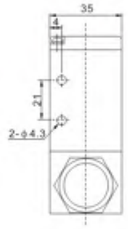
Specification

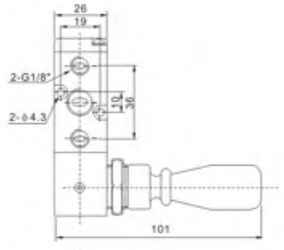
Model	TSV86522M/S	TSV98322M/S
Working Medium	40 Micron Filtered Air	
Motion Pattern	Direct Drive Type	
Effective Sectional Area	18mm²(CV=1.00)	
Port Size	G1/4	
Working-pressure Range	0~1.0MPa	
Operating Temperature Range	0~60℃	

Overall Dimensions

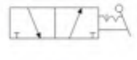
TSV86522

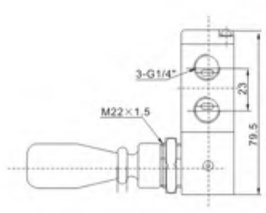


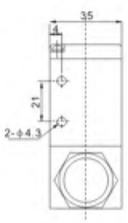


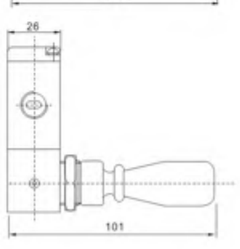


TSV98322









4H Series Hand-pull Valve

4H230-08

4H210-08

Ordering Code

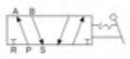
4H	2	10	—	06	—	□
Specification Code 4H:Two(Three)-position Five-way Hand Pull Valve	**Button Type** 2:200 Series 3:300 Series 4:400 Series	**Specification Code** 10:Single-head Double-position 30:Single-head Three-position		**Port Size** 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2"		**Type Code** Blank:Three-position Five-way Reset Type L:Three-position Five-way Locking Type

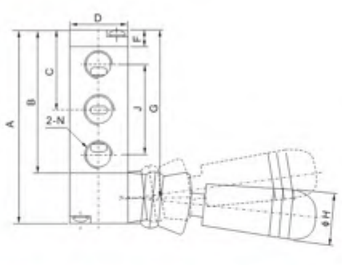
Specification

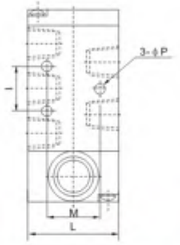
Model	4H210-06	4H210-08	4H230-08	4H310-08	4H310-10	4H330-10	4H410-15	4H430-15
Working Medium	40 Micron Filtered Air							
Motion Pattern	Direct Drive Type							
Effective Section Area	14mm²(CV=0.78)	16mm²(CV=0.89)	12mm²(CV=0.67)	25mm²(CV=1.4)	30mm²(CV=1.68)	30mm²(CV=1.68)	50mm²(CV=2.79)	50mm²(CV=2.79)
Port Size	Air Inlet=Air Outlet= Exhaust=G1/8"	Air Inlet=Air Outlet= Exhaust=G1/4"		Air Inlet=Air Outlet= Exhaust=G1/4"	Air Inlet=Air Outlet= G3/8" Exhaust=G1/4"		Air Inlet=Air Outlet= Exhaust=G1/2"	
Working-Pressure Range	0~1.0MPa							
Operating Temperature Range	0~60℃							

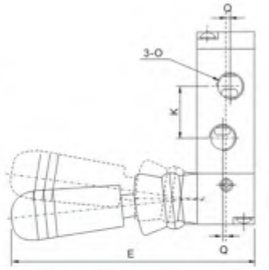
Overall Dimensions

4H Series









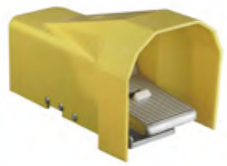
Symbol/Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
4H210-06	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06(Automatic Reset)	95	75.5	31.5	22	95	6.5	85.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H210-08	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H230-08L	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H230-08(Automatic Reset)	95	75.5	31.5	22	95	6.5	85.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H310-08	92	72.5	40	27	100	7.5	82.5	18	24	45	24	40	27	G1/4"	G1/4"	4.3	-
4H310-10	92	72.5	40	27	100	7.5	52.5	18	24	45	24	40	27	G1/4"	G3/8"	4.3	2
4H410-15	126	102	55.5	34	100	7.5	114	18	28	63	36	50	35	G1/2"	G1/2"	5.5	-

4F.FV Series Foot Valve

4F210-08L

4F210-08

FV420



4F210-08LG

Ordering Code

4F	2	10	–	08	–	□
Specification Code	Series NO.	Number of Places		Port Size		Type Code

Specification Code
4F:Two-position Five-way Foot Valve

Series NO.
2:200 Series

Number of Places
10:Single-head Double-position

Port Size
08:G1/4"

Type Code
Blank:standard type
L:with lock
G:with cover
LG:with lock and cover

FV	–	320
Specification Code		Position Number

Specification Code
FV:Foot Valve

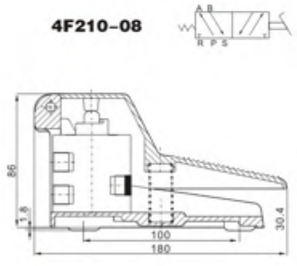
Position Number
320:Two-position Three-way
420:Two-position Four-way

Specification

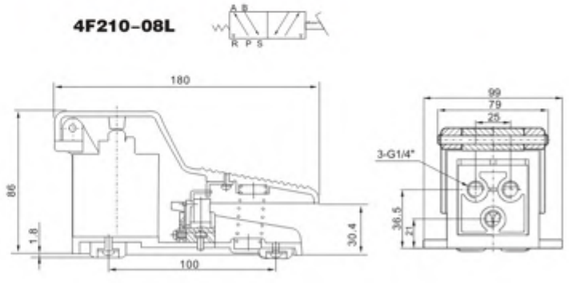
Model	4F210-06	4F210-08L	4F210-08G	4F210-08LG	FV420	FV320
Working Medium	40 Micron Filtered Air					
Position and Way Number	Two-position Five-way				Two-position Four-way	Two-position Three-way
Motion Patten	Direct Drive Type					
Port Size	Air Inlet=Air Outlet=Exhaust=G1/4"				Air Inlet=Air Outlet=G1/4" Exhaust=G1/8"	
Working-pressure Range	0.15~0.9MPa					
Operating Temperature Range	0~60℃					

Overall Dimensions

4F210-08

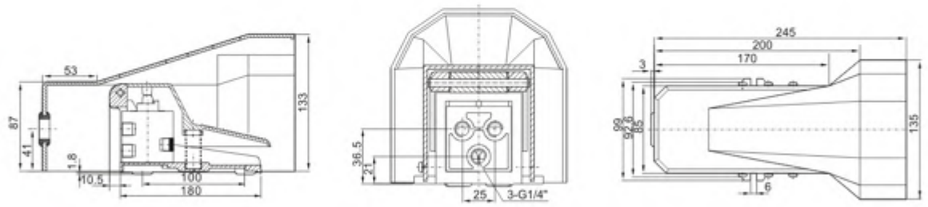


4F210-08L

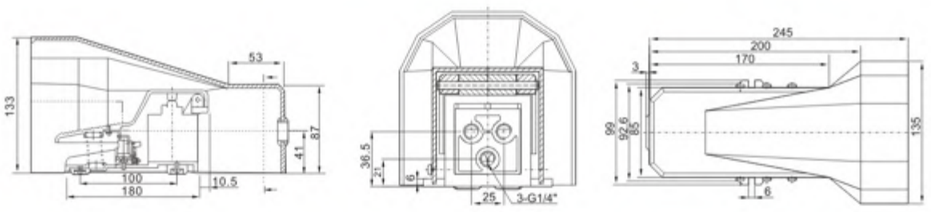


Overall Dimensions

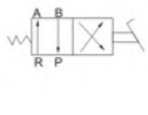
4F210-08G

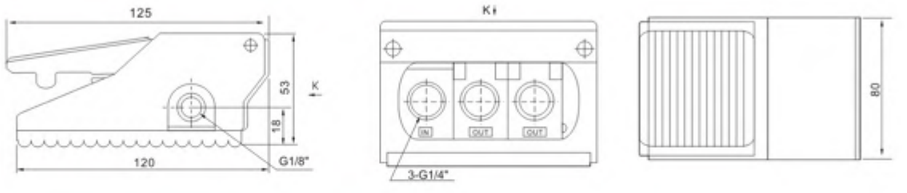


4F210-08LG

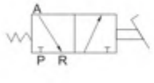


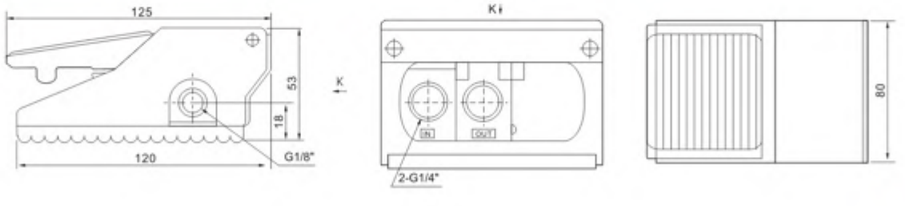
FV420





FV320





VICTORY
PNEUMATIC
www.victorypneumatic.com

RE Series Flow Control Valve

Ordering Code

RE — 01

Series Code
RE:Ordinary Type
Flow Control Valve

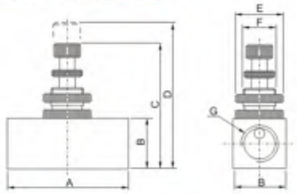
Port Size
01:G1/8"
02:G1/4"
03:G3/8"
04:G1/2"

Graphic Symbol

Specification

Model	RE-01	RE-02	RE-03	RE-04
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Working Medium	Air			
Working-pressure Range	0~0.95MPa			
Operating Temperature Range	0~60℃			

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G
RE-01	45	19	43	50	Φ19	M14×1	G1/8
RE-02	45	19	43	50	Φ19	M14×1	G1/4
RE-03	55	25	55	62	Φ25	M18×1	G3/8
RE-04	55	25	55	62	Φ25	M18×1	G1/2

ASC Series Check Valve

Ordering Code

ASC — 08

Series Code
ASC:Accurate Type
Flow Control Valve

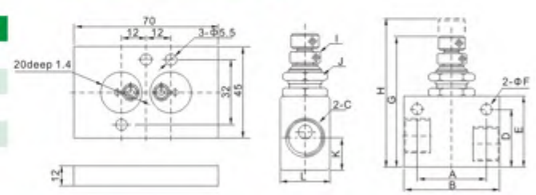
Port Size
06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"

Graphic Symbol

Specification

Model	ASC-06	ASC-08	ASC-10	ASC-15
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Working Medium	Air			
Working-pressure Range	0~0.95MPa			
Operating Temperature Range	0~60℃			

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L
ASC-06	22	32	G1/8	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-08	26	36	G1/4	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-10	28	40	G3/8	25	30	4.3	52.7	59.5	M6×0.5	M12×0.75	13	22
ASC-15	28	40	G1/2	30	35	4.3	58.7	65.5	M6×0.5	M12×0.75	13.5	26

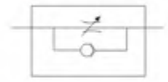
KLA Series Check Valve

Ordering Code

KLA — 10

Specification Code
KLA:Check Valve

Port Size
06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"

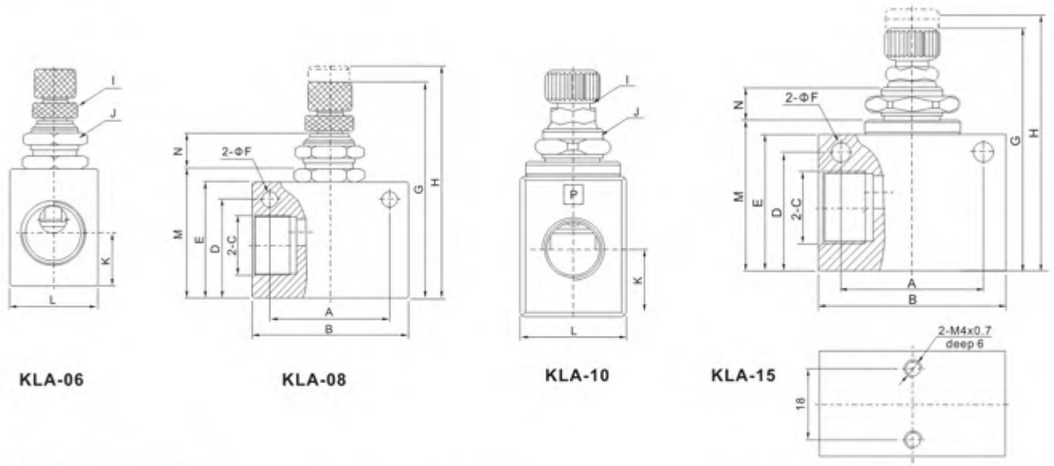


Graphic Symbol

Specification

Model		KLA-06	KLA-08	KLA-10	KLA-15
Working Medium		Air			
Port Size		G1/8"	G1/4"	G3/8"	G1/2"
Working-pressure Range		0.5~0.95 Kgf/cm²			
Ensured Pressure Resistance		15.0 Kgf/cm²			
Operating Temperature Range		-5~60℃			
Body of Material		Aluminum Alloy Lyf2			
Standard Rated Flow(L/min)	Check Valve	200	450	1250	1650
	One-way Valve	400	800	1500	2000

Overall Dimensions



KLA-06 KLA-08 KLA-10 KLA-15

Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KLA-06	22	32	PT1/8	18	23	4.3	46.8	52.3	M6×0.5	M12×0.75	10	18	26	8.6
KLA-08	26	36	PT1/4	23	27	4.3	50.8	56.3	M6×0.5	M12×0.75	13.5	18	30	8.6
KLA-10	35	50	G3/8	32	37	5.3	65	74	M8× 0.75	M16 ×1	17.5	28	40.5	10.2
KLA-15	35	50	G1/2	32	37	5.3	65	74	M8×0.75	M16 ×1	17.5	28	40.5	10.2

VICTORY PNEUMATIC
www.victorypneumatic.com

KA Series Check Valve

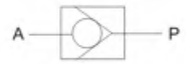
Ordering Code

KA — L8

Series Code
KA:Check Valve

Port Size
L06:G1/8"
L08:G1/4"
L10:G3/8"
L15:G1/2"
L20:G3/4"
L25:G1"
L32:G1/4"
L40:G1-1/2"
L50:G2"

Graphic Symbol



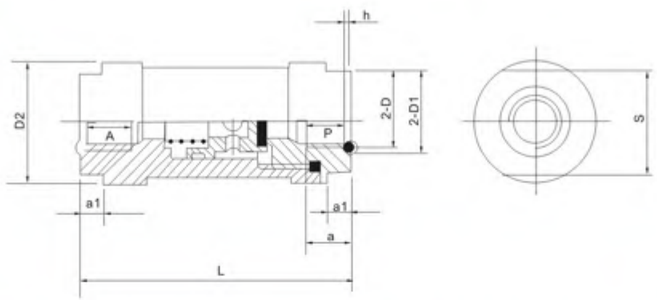
Product Explain

The valve is unidirectional control element. When passing the valve,the working medium can only flow along a given direction.In operation,when the medium pressure direction changes,the valve functions to stop the return of the medium in the system. Therefore,the product is also called non-return valve.

Specification

Model	KA-L06	KA-L08	KA-L10	KA-L15	KA-L20	KA-L25	KA-L32	KA-L40	KA-L50
Working-pressure	0.05~0.8MPa								
Entironment Temperature	-10~+55℃								
Medium Temperature	0~+55℃								
Circulating Ability	10	20	40	60	110	190	300	400	650
Startup Ability	≤0.03MPa								
Leak Out Flow(cm^3/min)	50	50	120	120	250	250	500	500	500
Respond Time(Sec)	0.03								
Life(Ten Thousand Times)	≥150								

Overall Dimensions



Dimension Sheet

Model	Joint Pipe Code	D	D1	D2	S	L	a	a1	h
KA-L3	3	M6×1	Φ9	Φ15	12	36	6	5	$1.4^{0}_{-0.1}$
KA-L6	6	G1/8 M10×1	Φ13	Φ28	24	64	10	6	$1.4^{0}_{-0.1}$
KA-L8	8	G1/4 M12×1.5	Φ16	Φ28	24	64	12	6	$1.4^{0}_{-0.1}$
KA-L10	10	G3/8 M16×1.5	Φ20	Φ40	36	86	14	10	$1.8^{0}_{-0.1}$
KA-L15	15	G1/2 M20×1.5	Φ26	Φ40	36	86	14	10	$1.8^{0}_{-0.1}$
KA-L20	20	G3/4 M27×2	Φ32	Φ55	46	112	21	12	$1.8^{0}_{-0.1}$
KA-L25	25	G1 M33×2	Φ40	Φ55	46	112	23	12	$2.7^{0}_{-0.12}$
KA-L32	32	G11/4 M422	Φ48	Φ88	75	161	25	22	$2.7^{0}_{-0.12}$
KA-L40	40	G11/2 M48×2	Φ54	Φ88	75	161	26	26	$2.7^{0}_{-0.12}$
KA-L50	50	G2 M60×2	Φ70	Φ100	90	95	26	26	$4.5^{0}_{-0.18}$

KAM Series Check Valve

Ordering Code

KAM — 15

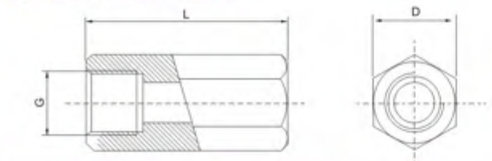
Series Code
KAM:KAM Series Check Valve

Port Size
06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"

Specification

Model	KAM-06	KAM-08	KAM-10	KAM-15
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Flow mm^2/S	10	20	40	60
Leak Out Flow(cm^2/min)	≤45	≤60	≤80	≤95
Operation Medium	Compress Air			
Working Temperature Range	-5~60℃			
Working Pressure	0.05~1.2MPa			

Overall Dimensions



Dimension Sheet

Model	D	G	L
KAM-06	G1/8"	37	14
KAM-08	G1/4"	48	17
KAM-10	G3/8"	50	21
KAM-15	G1/2"	60	24

AS Series Check Valve

Ordering Code

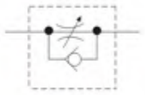
AS — 4000 — 02

Series Code
AS:Check Valve

Specification Code
4000

Port Size
02:G1/4"
03:G3/8"
04:G1/2"

Graphic Symbol

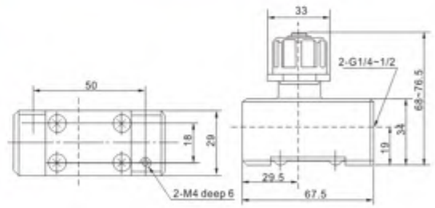


Specification

Model		AS4000-02	AS4000-03	AS4000-04
Port Size		G1/4"	G3/8"	G1/2"
Free Flow	Flow(L/min)	1670		
	Effective Sectional Area(mm^2)	25.5		
Controlled Flow	Flow(L/min)	1670		
	Effective Sectional Area(mm^2)	25.5		
Ensured Pressure Resistance		1.5MPa		
Highest Working Pressure		1.0MPa		
Lowest Working Pressure		0.05MPa		
Ambient and Media Temperature		5~60℃		
Regulated Flow Turnsq		8~9		

Note*:Input pressure is 0.5MPa.
Note*:8 turns for AS4000

Overall Dimensions



AS4000

VICTORY PNEUMATIC
www.victorypneumatic.com

Q Series Quick Exhaust Valve

The valve is generally installed on the pipeline between the cylinder and reversal valve and near the cylinder, which directly discharge the air from cylinder without passing the reversal valve and thusto achieve the goal of fast reversion of cylinder.The effect on improving cylinder speed is especially obvious.
P: Connect reversal valve export
A: Connect cylinder
R: Connect muffler

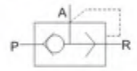
Ordering Code

Q — 170800

Series Code
Q:Quick Exhaust Valve

Port Size
170600:G1/8"
170800:G1/4"
171000:G3/8"
171500:G1/2"

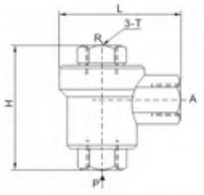
Graphic Symbol



Specification

Model	Q170600	Q170800	Q171000	Q171500
Joint Threaded	G1/8"	G1/4"	G3/8"	G1/2"
Port Size	6mm	6mm	8mm	15mm
Flow	≥0.9m³/min	≥0.9m³/min	≥2.5m³/min	≥4.5m³/min
Timerate(Ten Thousand Times)	≤200			
Working Pressure Range	0.12~1.0MPa			
Exchange Times(S)	≤0.03	≤0.03	≤0.04	≤0.05

Overall Dimensions



Dimension Sheet

Model	T	H	L
Q170600	G1/8"	39	32
Q170800	G1/4"	51	45
Q171000	G3/8"	68	62
Q171500	G1/2"	77	86

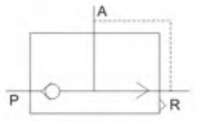
QE Series Quick Exhaust Valve

Ordering Code

QE — 01

Series Code
QE:Quick Exhaust Valve

Port Size
01:G1/8" 02:G1/4"
03:G3/8" 04:G1/2"
06:G3/4"

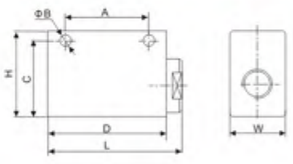


Graphic Symbol

Specification

Model	QE-01	QE-02	QE-03	QE-04	QE-06
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"
Effective Sectional Area	16mm²	27.5mm²	38mm²	71mm²	72.5mm²
Working Medium	Air				
Working Pressure Range	0~1.0MPa				
Operating Temperature Range	0~60℃				

Overall Dimensions



Dimension Sheet

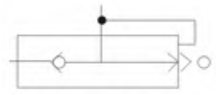
Model	Bore	L	W	H	A	B	C	D
QE-01	G1/8"	46	20	32	30	4.3	27	40
QE-02	G1/4"	62	25	40	39	5.6	33.5	55
QE-03	G3/8"	62	25	40	39	5.6	33.5	55
QE-04	G1/2"	98	38	64	60	8.5	51	90
QE-06	G3/4"	98	38	64	60	8.5	51	90

KKP Series Quick Exhaust Valve

Ordering Code

KKP — L15

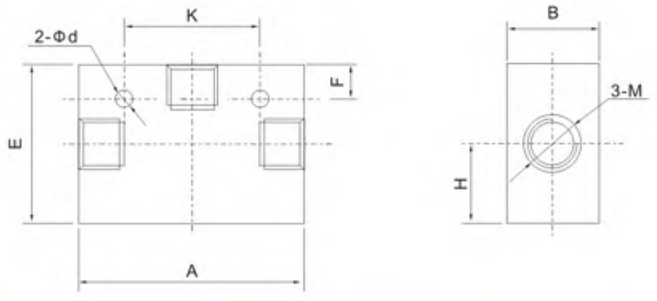
Series Code
KKP:Quick Exhaust Valve

Port Size
L6:G1/8" L25:G1"
L8:G1/4" L32:G1-1/4"
L10:G3/8" L40:G1-1/2"
L15:G1/2" L50:G2"
L20:G3/4"

Graphic Symbol

Specification

Model		KKP-L6	KKP-L8	KKP-L10	KKP-L15	KKP-L20	KKP-L25	KKP-L32	KKP-L40	KKP-L50
Section Area	P→A	10	20	40	60	110	190	300	400	650
	A→□	20	40	60	110	190	300	400	650	900
Leak Out Flow(cm³/min)		≤10		≤25		≤50			≤70	
Working Medium		Compress Air								
Operating Temperature Range		-5~+60℃								
Working-pressure		0.05~1.2MPa								

Overall Dimensions



Dimension Sheet

Model	M	A	K	B	E	H	F	d
KKP-L6	G1/8	75	-	36	41	10	-	-
KKP-L8	G1/4							
KKP-L10	G3/8	82	58	44	60	23	8	7
KKP-L15	G1/2							
KKP-L20	G3/4	128	98	72	95	36	8	10
KKP-L25	G1							
KKP-L32	G1¼	158	126	88	112	44	10	10
KKP-L40	G1½							
KKP-L50	G2	190	148	102	130	52	10	12

VICTORY PNEUMATIC
www.victorypneumatic.com

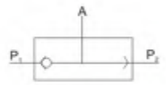
ST Series
Shuttle Valve

Ordering Code

ST — 01

Series Code
ST:Shuttle Valve

Port Size
01:G1/8" 04:G1/2"
02:G1/4" 06:G3/4"
03:G3/8" 08:G1"

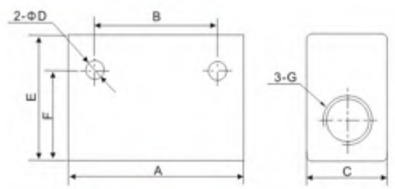


Graphic Symbol

Specification

Model	ST-01	ST-02	ST-03	ST-04	ST-06	ST-08
Working Medium	Air					
Effective Sectional Area	7.5mm²	21mm²	40mm²	60mm²	110mm²	190mm²
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Working Pressure Range	0~1.0MPa					
Operating Temperature Range	-5~60℃					

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G
ST-01	40	24	16	4.5	25	20.5	G1/8"
ST-02	50	35	22	5.5	35	25	G1/4"
ST-03	75	48	30	7	50	42	G3/8"
ST-04	75	48	30	7	50	42	G1/2"
ST-06	110	72	40	7	70	58	G3/4"
ST-08	110	72	40	7	70	58	G1"

CV Series
Vacuum Valve

Ordering Code

CV — 15L

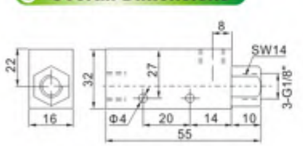
Series Code
ST:Shuttle Valve

Port Size
10L:G1/8"
15L:G1/4"
20L:G3/8"

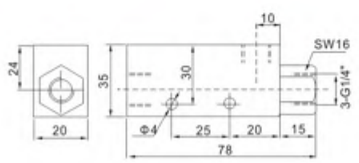
Specification

Model	CV-10L	CV-15L	CV-20L
Working Medium	Air		
Working pressure	1.0MPa		
Shortest Excitation Time	0.05 Second		
Leakage Volume	≤10cm³/min		

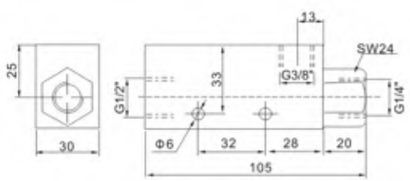
Overall Dimensions



CV-10L



CV-15L



CV-20L

HSV Hand
Sliding Valve

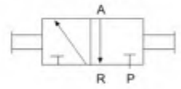
Ordering Code

HSV — 03

Specification Code
HSV:Hand
Sliding Valve

Port Size
01:G1/8"
02:G1/4"
03:G3/8"
04:G1/2"
06:G3/4"

Graphic Symbol

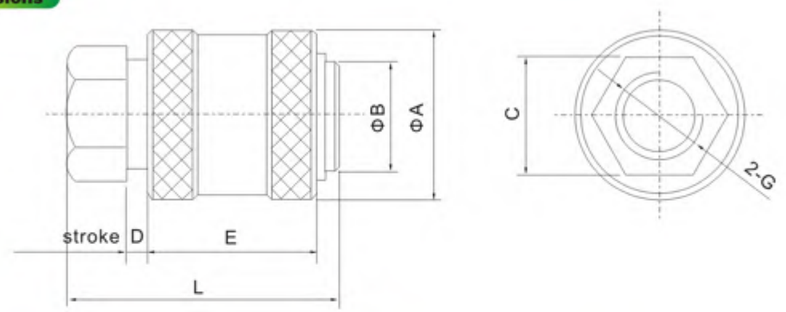


This valve is a two-position three-way hand sliding valve,which is usually instalied in the piping to turn on/off airs.When it is turned off,the air pressure in the preumatic system is exhausted simultaneously.

Specification

Model	HSV-01	HSV-02	HSV-03	HSV-04	HSV-06
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"
Flow Bore	4mm	7mm	10mm	12mm	18mm
Working Medium	Filtered Air				
Working-pressure	0~1.0MPa				
Ambient Temperature Range	5~60℃				
Working Force	20N			30N	

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	L	G
HSV-01	20	13	14	3	20	32	G1/8
HSV-02	27	18	19	5	32	48	G1/4
HSV-03	30	21	22	5	32	48	G3/8
HSV-04	38	24	27	10	40	70	G1/2
HSV-06	45	32	34	10	45	75	G3/4