

# Mechanical Valve

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Fescolo Pneumatic























## Company Profile

Fescolo Pneumatic, established in 2001, is a professional developer and manufacturer of customized cylinders and solenoid valves. We have an excellent R&D technical team, more than 200 sets of equipment, an annual production value of more than 10 million US dollars, and have 100+ employees, including 4 technical engineers and 8 technicians so far.

Our main product range consists of various standard cylinders, non-standard customized cylinders, standard solenoid valves, non-standard customized solenoid valves, 2/2 ways electromagnetic valves, air source treatment units, angle seat valves, air hose and tube fittings. Widely applied in industrial automation, robotic arms, medical treatment, sanitary ware, food machinery, automobile manufacturing and other scientific and technological industries.

If you are looking for non-standard customized cylinders and valves, if you encounter problems in pneumatic system, congratulations, we are just the exact supplier you need. Product customization and ODM are our core competencies. We are in a leading position on projects of customized cylinders and solenoid valves. We can also customize product labels, special inner and outer packaging for you. All our products include a one-year or six-month warranty. Most standard products are available in stock and can be shipped within 3-15 days after you place an order. Fescolo Pneumatic, looks forward to your cooperation sincerely!

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## 4H Series Hand Valve



4H210-08



### 1.Ordering Code :

<b>4H</b>	<b>2</b>	<b>10</b>	-	<b>08</b>	-	<input type="checkbox"/>
<p><b>Hand valve type</b> 4H: 4H Series hand-pull valve</p> <p><b>Button type</b> 2: 200 Series 3: 300 Series 4: 400 Series</p> <p><b>Specification Code</b> 10: Two positions five ways 30: Three positions five ways</p> <p><b>Port size</b> 06: G1/8      10: G3/8 08: G1/4      15: G1/2</p> <p><b>Type code</b> Blank: Three positions five ways Reset Type L: Three positions five ways Locking Type</p>						

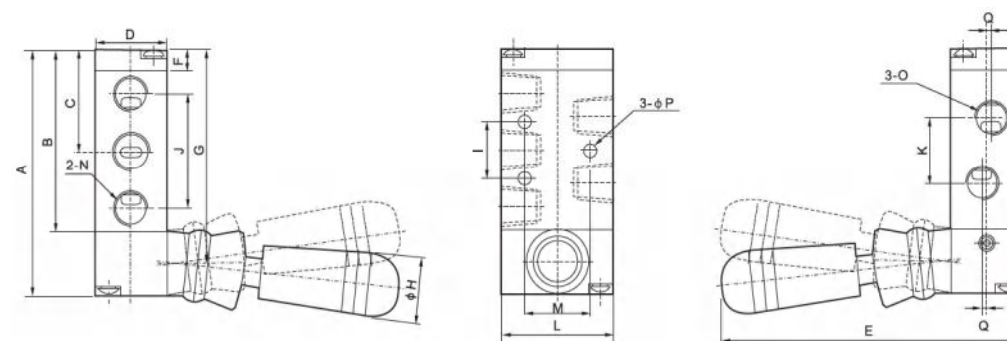
### 2.Characteristics:

- 4H Series hand-pull valve is with high response and stability nature.
- There are two motion pattern, single-head double-position and single-head three position
- 5/2ways and 3/2ways are available.
- Various working style is available.
- Lock type and spring return type are available.

### 3.Specification:

Item	4H210-06	4H210-08	4H230-08	4H310-08	4H310-10	4H330-10	4H410-15	4H430-15
Applicable medium	≤40μ Filtered Air							
Motion pattern	Direct drive type							
Working pressure	0~1.0 MPa							
Proof Pressure	1.2MPa							
Temperature range	NBR: 0℃~60℃							
Port size	Inlet and outlet	G1/8	G1/4	G1/4	G1/4	G3/8	G3/8	G1/2
	Exhaust port	G1/8	G1/4	G1/4	G1/4	G1/4	G1/4	G1/2
Effective section area (mm <sup>2</sup> )		14	16	12	25	30	30	50
Cv Value		0.78	0.89	0.67	1.4	1.68	1.68	2.79

### 4. Overall and Dimension Sheet:

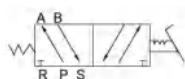


Symbol/Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
4H210-06	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06	76	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06(Automatic Reset)	95	75.5	31.5	22	95	6.5	85.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H210-08	76	56.5	31.5	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	82.5	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	-

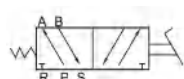
## 4F Series Foot Valve



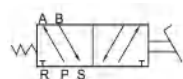
4F210-08L



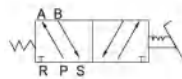
4F210-08



4F210-08G



4F210-08LG



### 1.Ordering Code :

	<b>4F</b>	<b>2</b>	<b>10</b>	-	<b>08</b>	<input type="checkbox"/>
<b>Foot valve type</b>						
4F: 4F Series foot valve						
<b>Button type</b>						
2: 200 Series						
<b>Specification Code</b>						
10: Two positions five ways						
<b>Port size</b>						
08: G1/4						
<b>Type code</b>						
Blank: standard type						
L: with lock						
G: with cover						
LG: with lock and cover						

### 2.Characteristics:

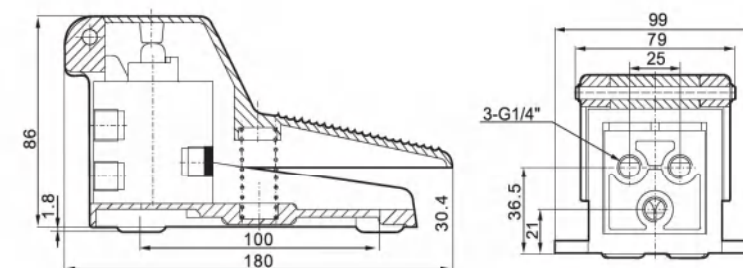
- 1) 4F Series foot valve is with high response and stability nature.
- 2) There are two motion pattern, single-head double-position and single-head three position
- 3) There are with lock and guard cover type available.
- 4) Various working style is available.

### 3.Specification:

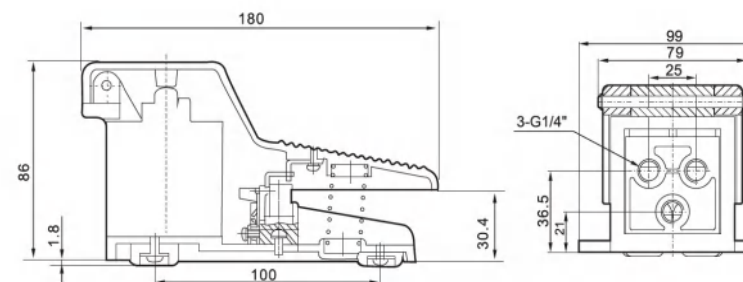
Item	4F210-08	4F210-08L	4F210-08G	4F210-08LG
Applicable medium	≤40μ Filtered Air			
Motion patten	Direct drive type			
Valve type	two positions five ways			
Working pressure	0.15~0.9MPa			
Proof Pressure	1.0MPa			
Temperature range	NBR: 0°C~60°C			
Port size	Inlet and outlet	G1/4		
	Exhaust port	G1/4		

### 4. Overall and Dimension Sheet:

4F210-08



4F210-08L

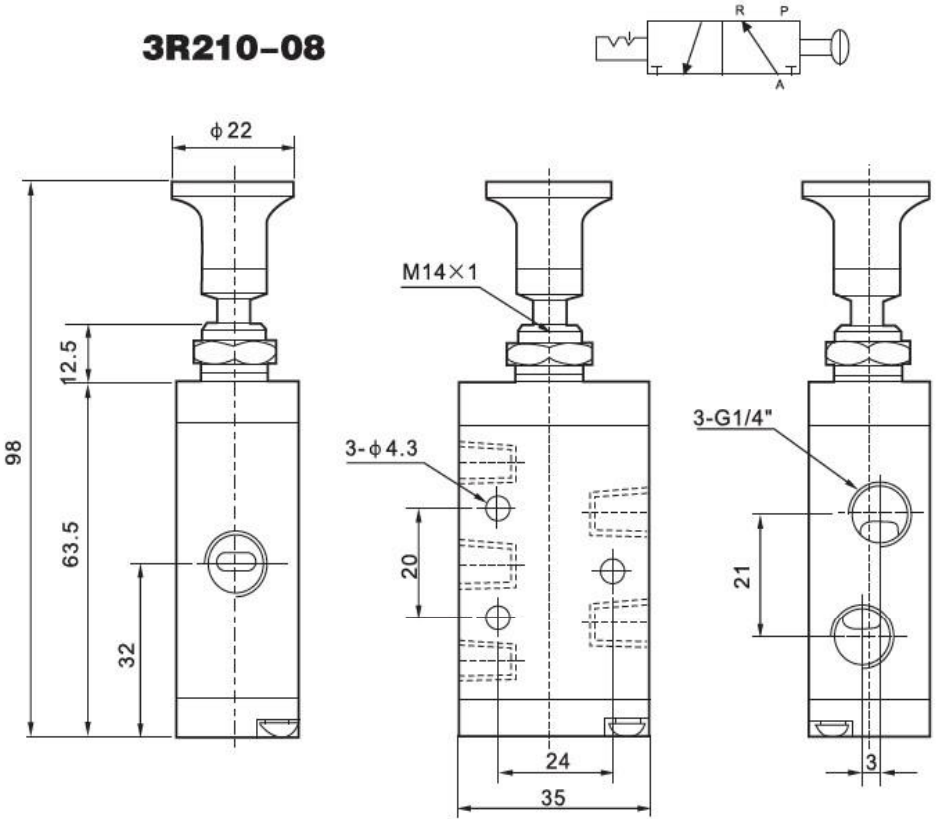
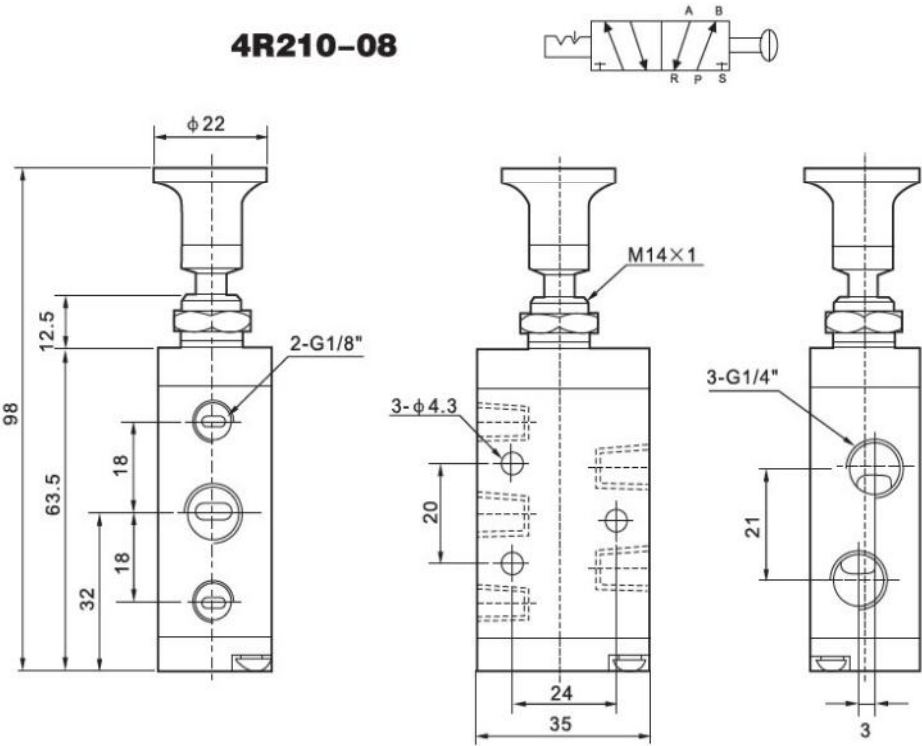




3.Specification:

Item	4R210-06	4R210-08	4R310-10	4R410-15	3R210-06	3R210-08	3R310-10	3R410-15
Applicable medium	≤40μ Filtered Air							
Motion pattern	Direct drive type							
Working pressure	0~1.0 MPa							
Proof Pressure	1.2MPa							
Temperature range	NBR: 0℃~60℃							
Port size	Inlet and outlet	G1/8	G1/4	G3/8	G1/2	G1/8	G1/4	G3/8
	Exhaust port	G1/8	G1/8	G1/4	G1/2	G1/8	G1/4	G3/8
Lubrication	Not required							

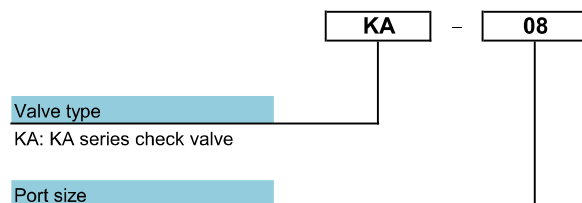
4. Overall and Dimension Sheet:





## KA Series Check Valve

### 1. Ordering Code :



06: G1/8  
08: G1/4  
10: G3/8  
15: G1/2  
20: G3/4  
25: G1  
32: G1 1/4  
40: G1 1/2  
50: G2



KA-08



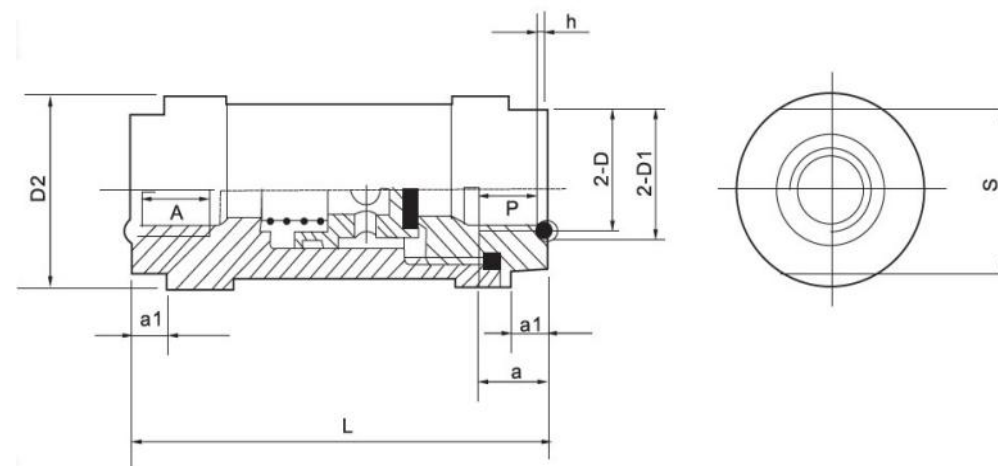
### 2.Characteristics:

- 1) The KA series check valve is unidirectional control element.
- 2) When passing the valve, the working medium can only flow along a given direction.
- 3) In operation, when the medium pressure direction changes, the valve functions to stop the return of the medium in the system.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	KA-06	KA-08	KA-10	KA-15	KA-20	KA-25	KA-32	KA-40
Applicable medium	≤40μ Filtered Air							
Motion pattern	Direct drive type							
Working pressure	0.05~0.8 MPa							
Proof Pressure	1.0MPa							
Temperature range	NBR: 0℃~55℃							
Port size	G1/8	G1/4	G3/8	G1/2	G3/4	G1	G1-1/4	G1-1/2
Circulating ability	10	20	40	60	110	190	300	400
Startup ability	≤0.03 MPa							
Leak out flow(cm <sup>3</sup> /min)	50	50	120	120	250	250	500	500
Respond time	0.03 seconds							

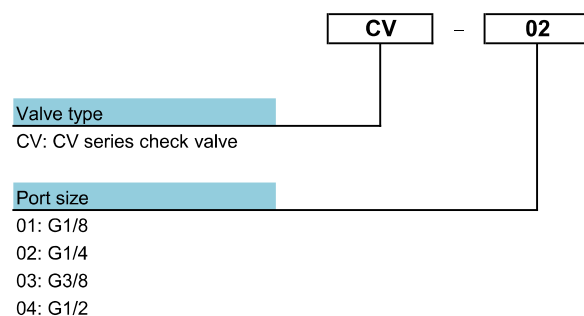
### 4. Overall and Dimension Sheet:



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

## CV Series Check Valve

### 1. Ordering Code :



CV-02



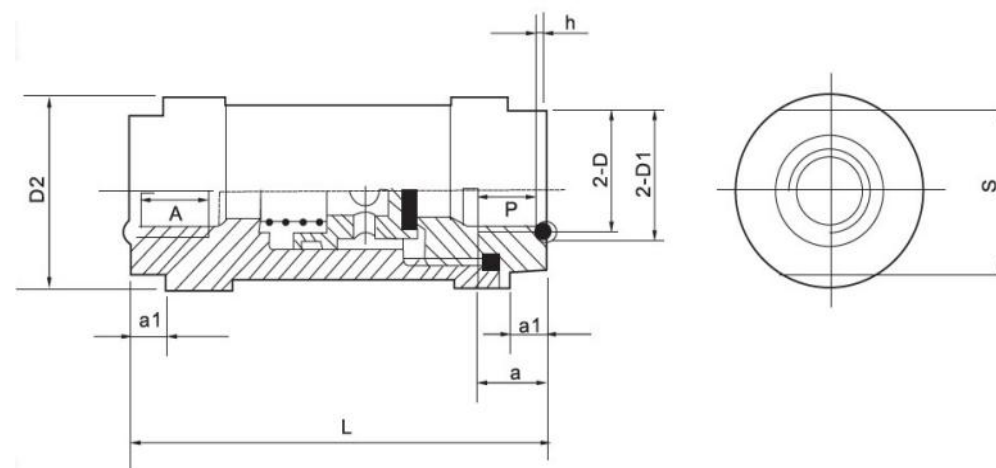
### 2.Characteristics:

- 1) The CV series check valve is unidirectional control element.
- 2) When passing the valve, the working medium can only flow along a given direction.
- 3) In operation, when the medium pressure direction changes, the valve functions to stop the return of the medium in the system.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	CV-01	CV-02	CV-03	CV-04
Applicable medium	Compressed air			
Working pressure	0.05~1.2 MPa			
Temperature range	-5°C~60°C			
Port size	G1/8	G1/4	G3/8	G1/2
Leak out flow(cm <sup>3</sup> /min)	≤45	≤60	≤80	≤95

### 4. Overall and Dimension Sheet:



Model	Joint Pipe Code	D	D1	D2	S	L	a	a1	h
KA- 3	3	M6×1	Φ9	Φ15	12	36	6	5	1.4 <sup>0</sup> <sub>-0.1</sub>
KA- 6	6	G1/8 M10×1	Φ13	Φ28	24	64	10	6	1.4 <sup>0</sup> <sub>-0.1</sub>
KA- 8	8	G1/4 M12×1.5	Φ16	Φ28	24	64	12	6	1.4 <sup>0</sup> <sub>-0.1</sub>
KA- 10	10	G3/8 M16×1.5	Φ20	Φ40	36	86	14	10	1.8 <sup>0</sup> <sub>-0.1</sub>
KA- 15	15	G1/2 M20×1.5	Φ26	Φ40	36	86	14	10	1.8 <sup>0</sup> <sub>-0.1</sub>
KA- 20	20	G3/4 M27×2	Φ32	Φ55	46	112	21	12	1.8 <sup>0</sup> <sub>-0.1</sub>
KA- 25	25	G1 M33×2	Φ40	Φ55	46	112	23	12	2.7 <sup>0</sup> <sub>-0.12</sub>
KA- 32	32	G1 1/4 M42	Φ48	Φ88	75	161	25	22	2.7 <sup>0</sup> <sub>-0.12</sub>
KA- 40	40	G1 1/2 M48×2	Φ54	Φ88	75	161	26	26	2.7 <sup>0</sup> <sub>-0.12</sub>
KA- 50	50	G2 M60×2	Φ70	Φ100	90	95	26	26	4.5 <sup>0</sup> <sub>-0.18</sub>



HSV Series Hand Sliding Valve

1.Ordering Code :

HSV

03

Valve type

HSV: HSV series hand sliding valve

Port size

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

Thread type

Blank: Flow direction: from female to male  
F: Both ends with female thread.



HSV-03

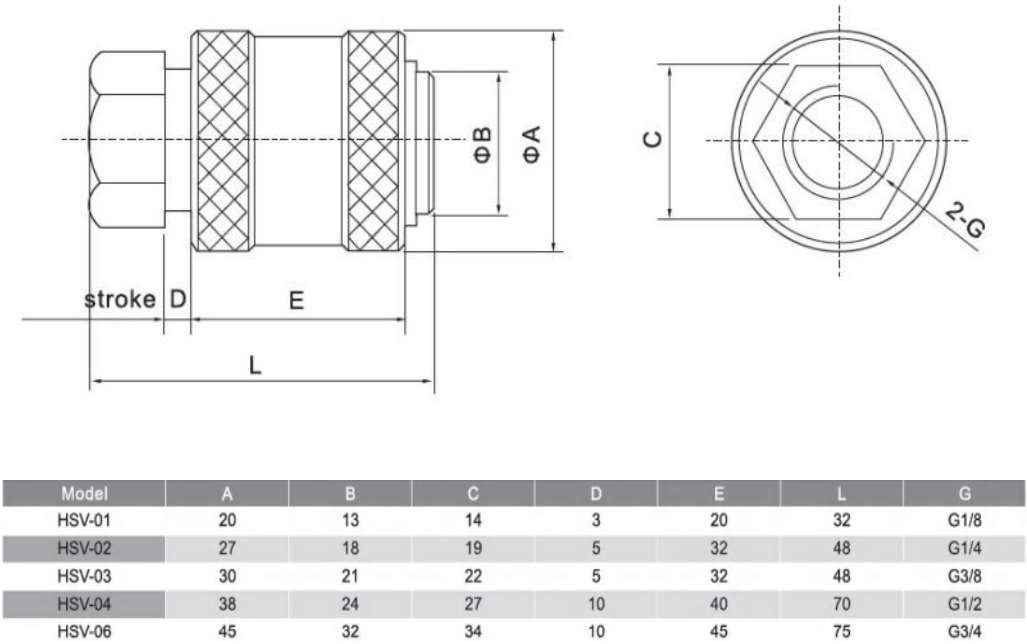
2.Characteristics:

- 1) The HSV series hand sliding valve is a two-position three-way valve, which is usually installed in the piping to turn on/off air.
- 2) When it is turned off, the air pressure in the pneumatic system is exhausted simultaneously.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

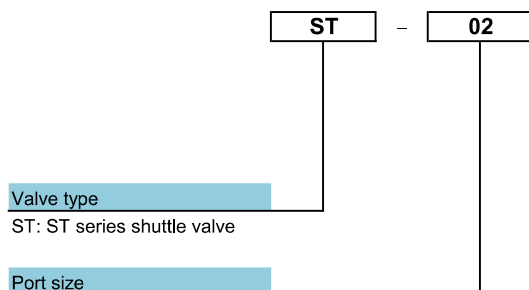
Item	HSV-01	HSV-02	HSV-03	HSV-04	HSV-06
Applicable medium	Filtered compressed air				
Working pressure	0~1.0 MPa				
Temperature range	5°C~60°C				
Port size	G1/8	G1/4	G3/8	G1/2	G3/4
Orifice (mm)	4	7	10	12	18
Working force	20N				30N

4. Overall and Dimension Sheet:



## ST Series Shuttle Valve

### 1.Ordering Code :

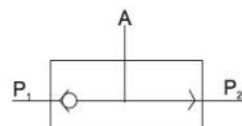


Valve type  
ST: ST series shuttle valve

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



ST-02



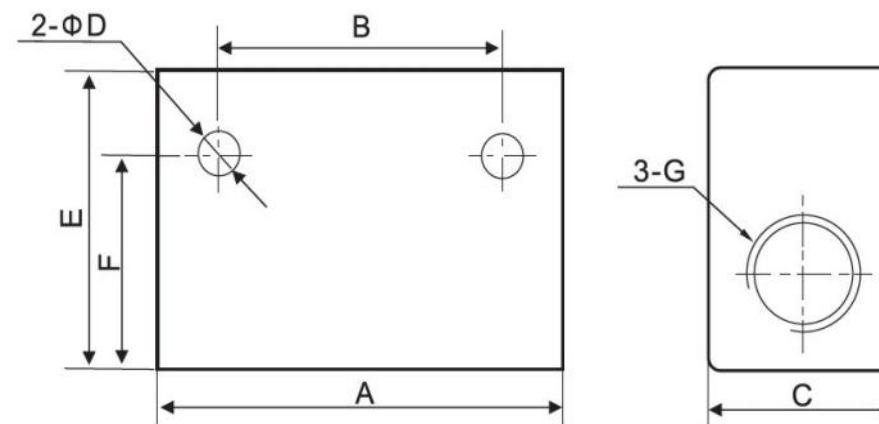
### 2.Characteristics:

- 1) The ST series shuttle valve is a type of valve which allows fluid to flow through it from one of two sources.
- 2) Generally this kind of shuttle valve is used in pneumatic systems
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	ST-01	ST-02	ST-03	ST-04	ST-06	ST-08
Applicable medium	Filtered compressed air					
Working pressure	0~1.0 MPa					
Temperature range	-5°C~60°C					
Port size	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Effective sectional area	7.5mm <sup>2</sup>	21mm <sup>2</sup>	40mm <sup>2</sup>	60mm <sup>2</sup>	110mm <sup>2</sup>	190mm <sup>2</sup>

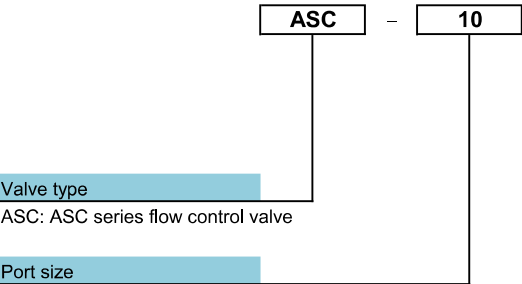
### 4. Overall and Dimension Sheet:



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"

ASC Series Flow Control Valve

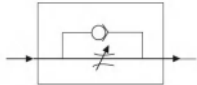
1.Ordering Code :



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



ASC-10



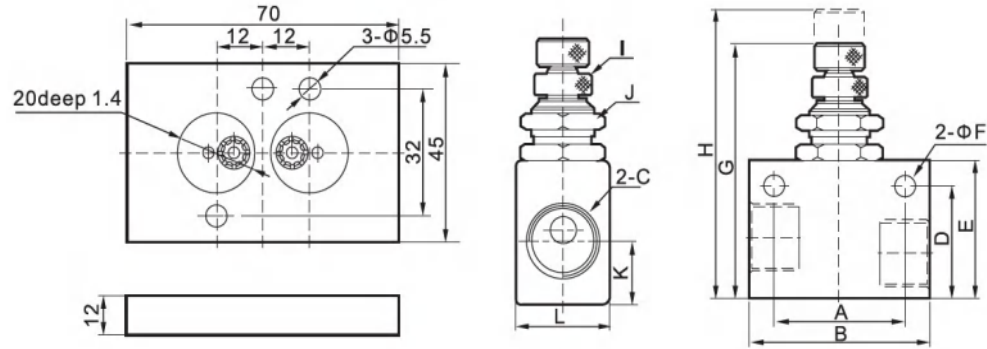
2.Characteristics:

- 1) The ASC series flow control valve is a type of valve which regulates the flow or pressure of a fluid.
- 2) They normally respond to signals generated by independent devices such as flow meters or temperature gauges.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Item	ASC-06	ASC-08	ASC-10	ASC-15
Applicable medium	Filtered compressed air			
Working pressure	0~0.95 MPa			
Temperature range	0°C~60 °c			
Port size	G1/8	G1/4	G3/8	G1/2

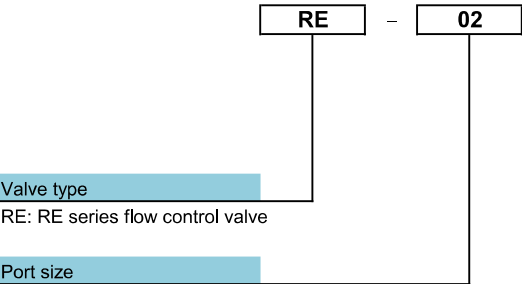
4. Overall and Dimension Sheet:



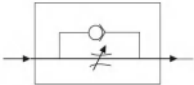
Model	A	B	C	D	E	F	G	H	I	J	K	L
ASC-06	22	32	G1/8	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-08	26	36	G1/4	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-10	28	40	G3/8	25	30	4.3	52.7	59.5	M6×0.5	M12×0.75	13	22
ASC-15	28	40	G1/2	30	35	4.3	58.7	65.5	M6×0.5	M12×0.75	13.5	26

RE Series Flow Control Valve

1.Ordering Code :



RE-02



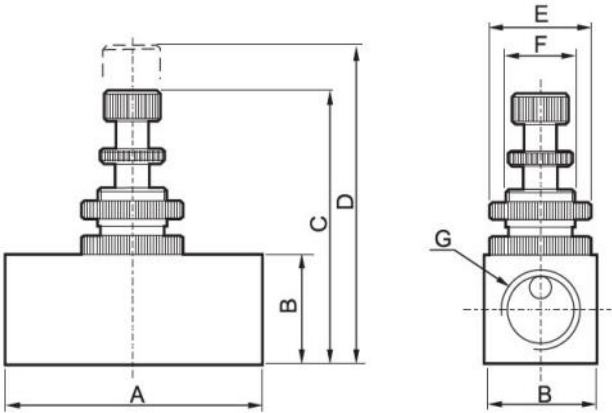
2.Characteristics:

- 1) The RE series flow control valve is a type of valve which regulates the flow or pressure of a fluid.
- 2) They normally respond to signals generated by independent devices such as flow meters or temperature gauges.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Item	RE-01	RE-02	RE-03	RE-04
Applicable medium	Filtered compressed air			
Working pressure	0~0.95 MPa			
Temperature range	0°C~60 °c			
Port size	G1/8	G1/4	G3/8	G1/2

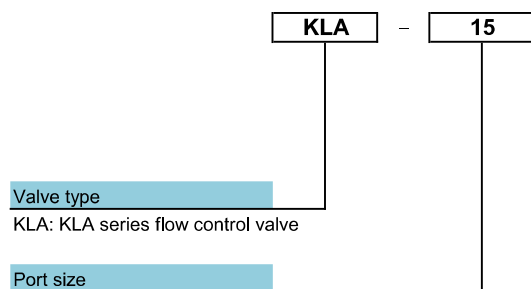
4. Overall and Dimension Sheet:



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

## KLA Series Flow Control Check Valve

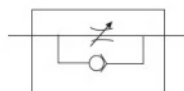
### 1. Ordering Code :



06: G1/8  
08: G1/4  
10: G3/8  
15: G1/2



KLA-15



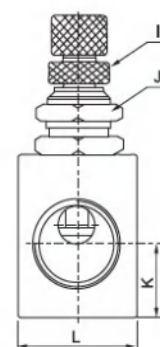
### 2.Characteristics:

- 1) The KLA series flow control valve is a type of check valve which regulates the flow or pressure of a fluid.
- 2) They normally respond to signals generated by independent devices such as flow meters or temperature gauges.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

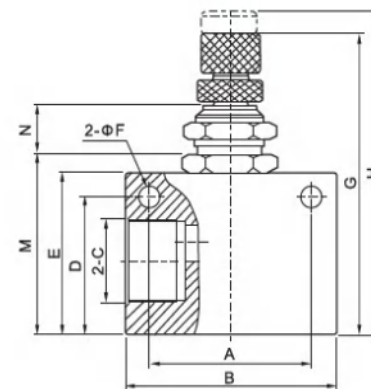
### 3.Specification:

Item		KLA-06	KLA-08	KLA-10	KLA-15
Applicable medium		Filtered compressed air			
Working pressure		0.5~0.95 MPa			
Proof pressure		1.5 MPa			
Temperature range		-5℃~60℃			
Port size		G1/8	G1/4	G3/8	G1/2
Material of body		Aluminum alloy			
Flow rate	Check valve	200 L/min	450 L/min	1250 L/min	1650 L/min
	One-way valve	400 L/min	800 L/min	1500 L/min	2000 L/min

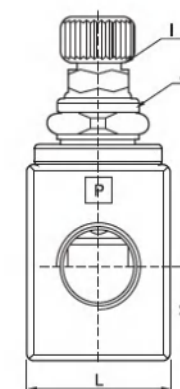
### 4. Overall and Dimension Sheet:



KLA-06

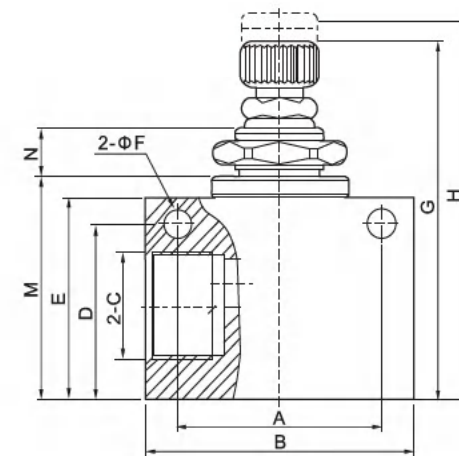
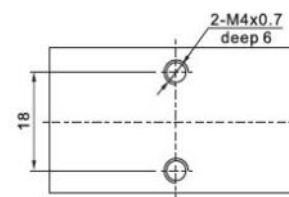


KLA-08



KLA-10

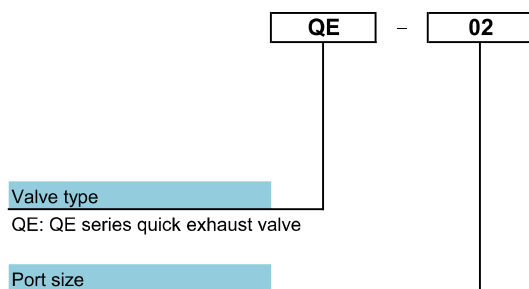
KLA-15



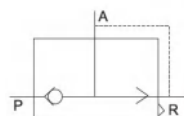
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KLA-06	22	32	PT1/8	18	23	4.3	46.8	52.3	M6×0.5	M12×0.75	10	18	26	8.6
KLA-08	26	36	PT1/4	23	27	4.3	50.8	56.3	M6×0.5	M12×0.75	13.5	18	30	8.6
KLA-10	35	50	G3/8	32	37	5.3	65	74	M8×0.75	M16×1	17.5	28	40.5	10.2
KLA-15	35	50	G1/2	32	37	5.3	65	74	M8×0.75	M16×1	17.5	28	40.5	10.2

## QE Series Quick Exhaust Valve

### 1. Ordering Code :



QE-02



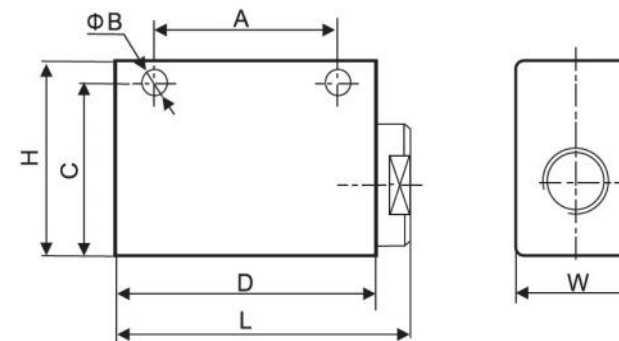
### 2.Characteristics:

- 1) The QE series quick exhaust valve is generally installed on the pipeline between the cylinder and reversal valve and near cylinder, which directly discharge the air from cylinder without passing the reversal valve and thus to achieve the goal of fast reversion of cylinder
- 2) The effect on improving cylinder speed is especially obvious.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	QE-01	QE-02	QE-03	QE-04	QE-06
Applicable medium	Filtered compressed air				
Working pressure	0~0.95 MPa				
Temperature range	0°C~60°C				
Port size	G1/8	G1/4	G3/8	G1/2	G3/4
Effective sectional area	16mm <sup>2</sup>	27.5mm <sup>2</sup>	38mm <sup>2</sup>	71mm <sup>2</sup>	72.5mm <sup>2</sup>

### 4. Overall and 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



XQ Series Quick Exhaust Valve

4. Overall and Dimension Sheet:

1.Ordering Code :

XQ17

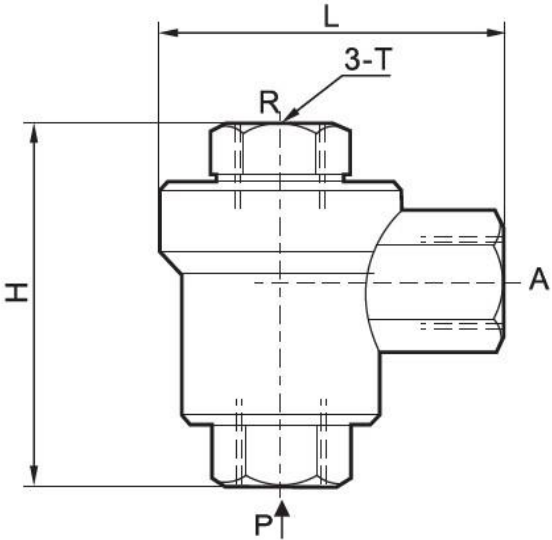
08

Valve type

QE: QE series quick exhaust valve

Port size

06: G1/8  
08: G1/4  
10: G3/8  
15: G1/2



2.Characteristics:

- 1) The XQ series quick exhaust valve is generally installed on the pipeline between the cylinder and reversal valve and near cylinder, which directly discharge the air from cylinder without passing the reversal valve and thus to achieve the goal of fast reversion of cylinder
- 2) The effect on improving cylinder speed is especially obvious.
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Item	XQ17-06	XQ17-08	XQ17-10	XQ17-15
Applicable medium	Compressed air			
Working pressure	0.12~1.0 MPa			
Temperature range	0°C~60°C			
Port size	G1/8	G1/4	G3/8	G1/2
Flow rate (m³/min)	≥0.9	≥0.9	≥2.5	≥4.5
Exchange time (s)	≤0.03	≤0.03	≤0.04	≤0.05

Model	T	H	L
XQ1706	G1/8	39	32
XQ1708	G1/4	51	45
XQ1710	G3/8	68	62
XQ1715	G1/2	77	86

## MOV Series Mechanical Valve



MOV-01



MOV-02



MOV-03



MOV-04

### 1.Ordering Code :

**MOV** - **01**

#### Valve type

MOV: MOV series mechanical valve

#### Button type

- 01: Selective knob
- 02: Roller type
- 03: With lock button
- 04: Plat round button

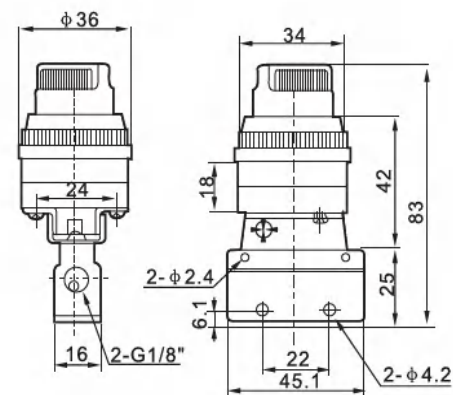
### 2.Characteristics:

- 1) The MOV series mechanical valve is controlled by human or machine, to switch the direction of air flow.
- 2) The material of valve body: Aluminum alloy.
- 3) Different button types are available, like selective knob, lock button, plat round and roller.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

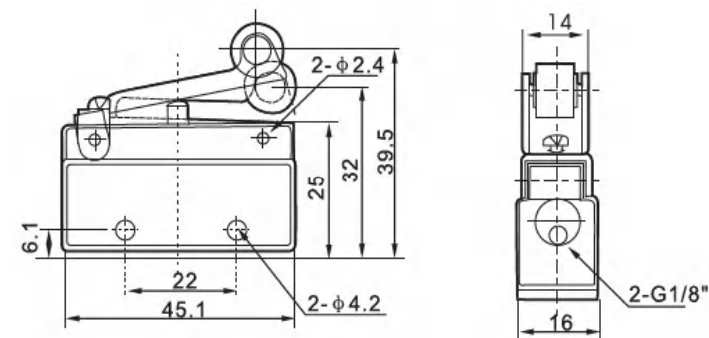
Item	MOV-01	MOV-02	MOV-03	MOV-04
Valve type	Two positions two ways			
Applicable medium	Compressed air			
Working pressure	0~0.8 MPa			
Temperature range	0°C~60°C			
Port size	G1/8			

### 4. Overall and Dimension Sheet:

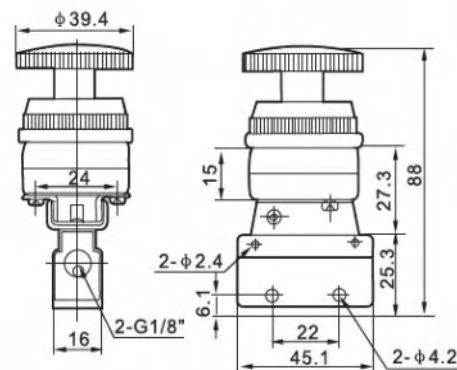


MOV-01

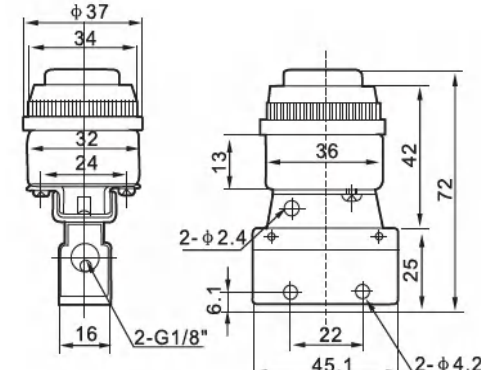
MOV-02



MOV-03



MOV-04



JM Series Mechanical Valve



JM-05



JM-06

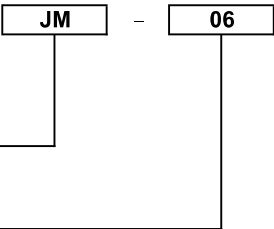


JM-06A



JM-07

1.Ordering Code :



Valve type  
JM: JM series mechanical valve

Button type  
05: Selective knob  
06: With lock button  
06A: Plat round button  
07: Roller type

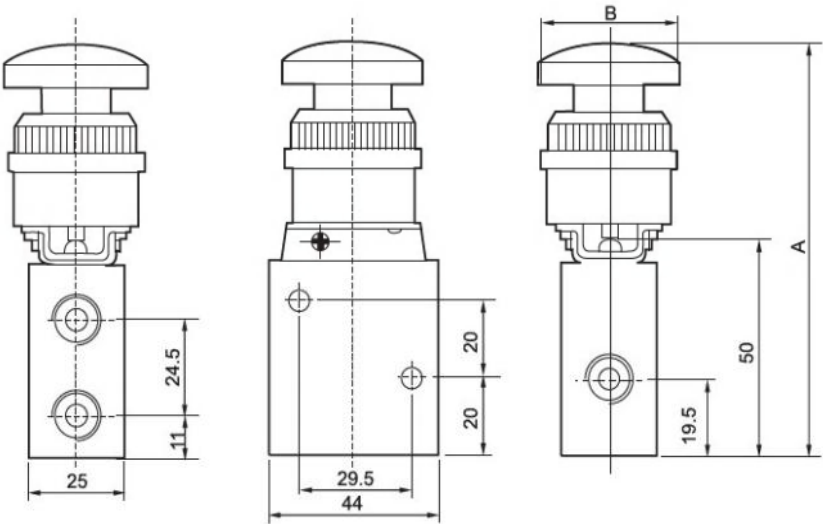
2.Characteristics:

- 1) The JM series mechanical valve is controlled by human or machine, to switch the direction of air flow.
- 2) The material of valve body: Aluminum alloy.
- 3) Different button types are available, like selective knob,lock button, plat round and roller.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Item	JM-05	JM-06	JM-06A	JM-07
Valve type	Two positions three ways			
Applicable medium	Compressed air			
Working pressure	0~0.8 MPa			
Temperature range	0°C~60℃			
Port size	G1/4			

4. Overall and 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

## MSV Series Mechanical Valve



MSV86522



MSV86522-R



MSV86522-TB



MSV86522-LB



MSV86522-EB



MSV86522-PB

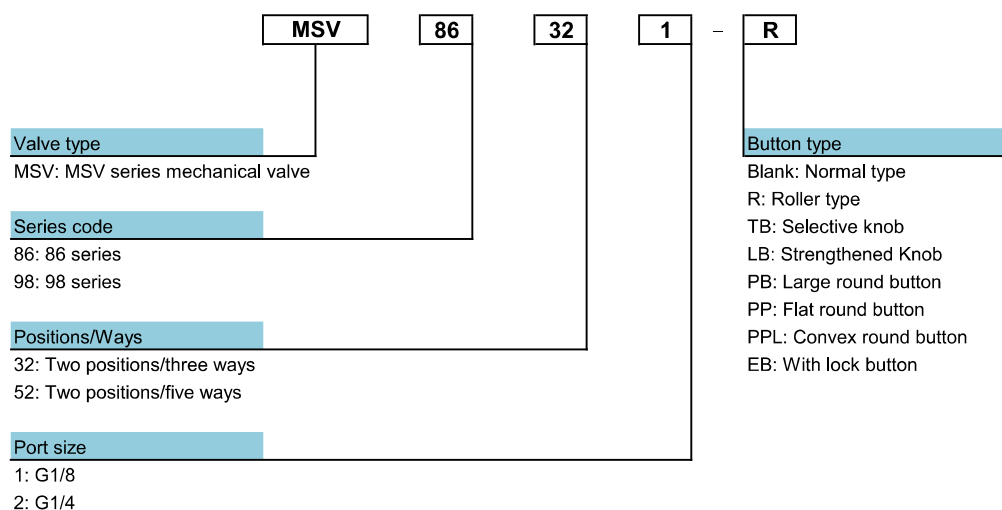


MSV86522-PP



MSV86522-PPL

### 1. Ordering Code :



### 2.Characteristics:

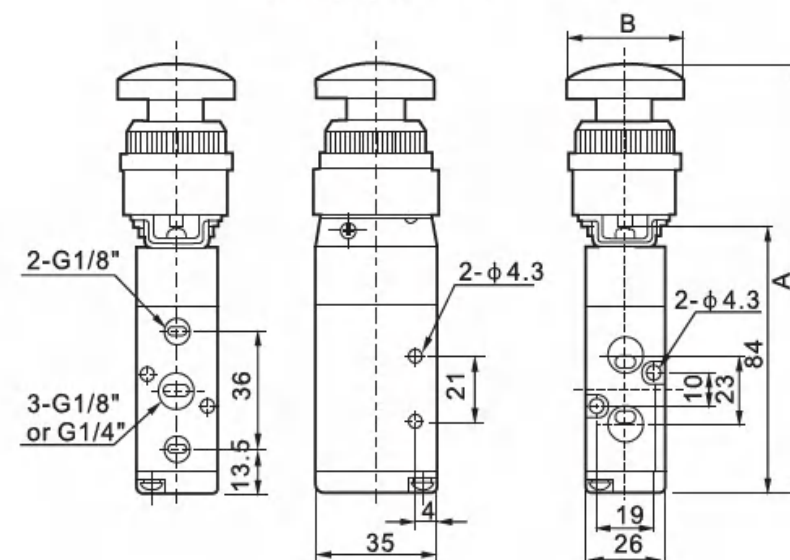
- 1) The MSV series mechanical valve is controlled by human or machine, to switch the direction of air flow.
- 2) The material of valve body: Aluminum alloy.
- 3) Different button types are available, like selective knob,lock button, plat round and roller.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

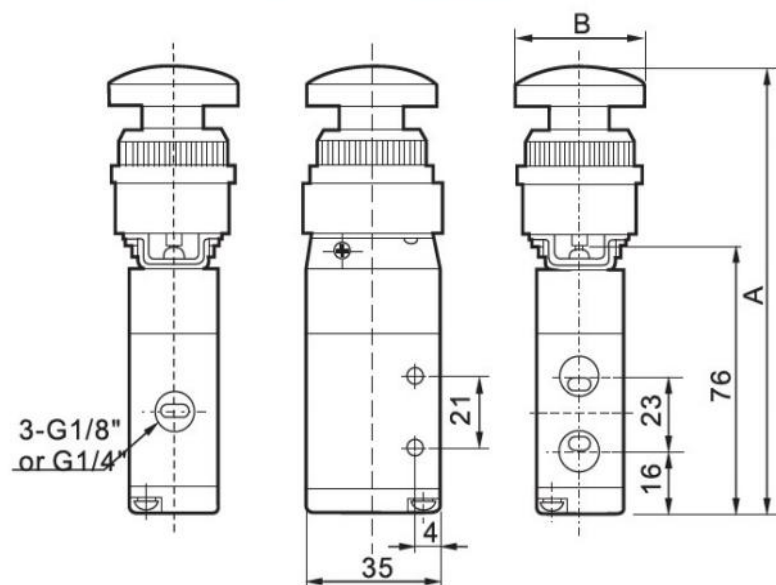
Item	MSV86321	MSV86522	MSV98322
Valve type	2positions 3ways	2positions 5ways	2positions 3ways
Working Medium	40 Micron filtered air		
Applicable medium	Compressed air		
Working pressure	0~0.8 MPa		
Temperature range	0°C~60°C		
Effective section area	12mm <sup>2</sup> (CV=0.67)	16mm <sup>2</sup> (CV=0.89)	16mm <sup>2</sup> (CV=0.89)
Port size	G1/8	G1/4	G1/4

### 4. Overall and Dimension Sheet:

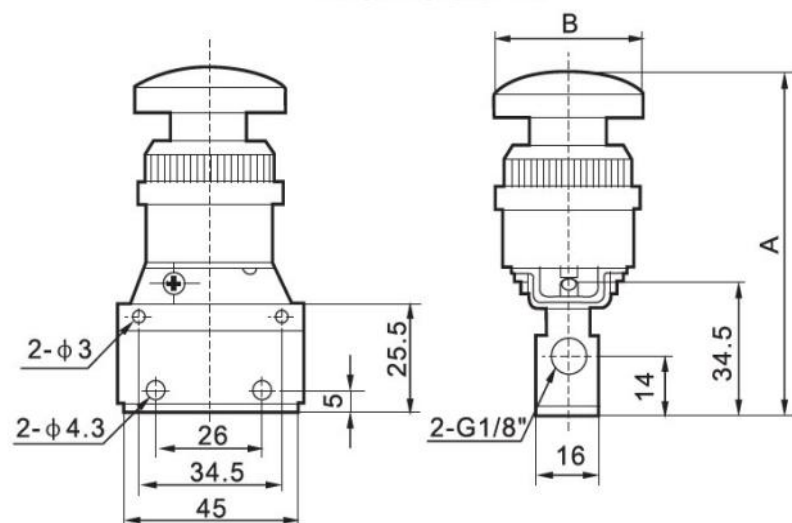
## MSV86522



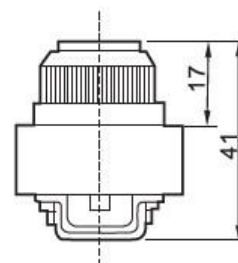
# **MSV98322**



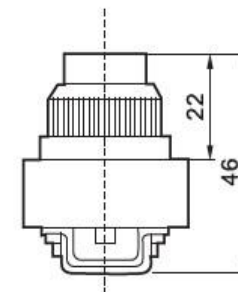
# **MSV86321**



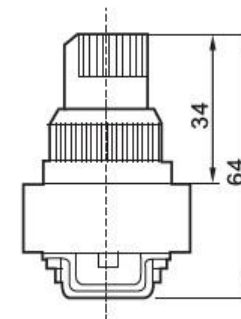
## **PP**



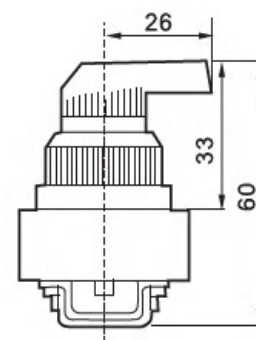
## **PPL**



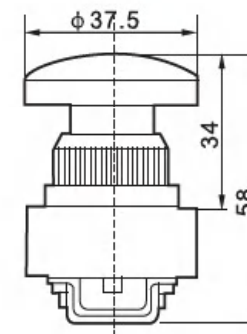
## **TB**



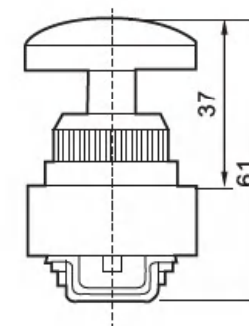
## **LB**



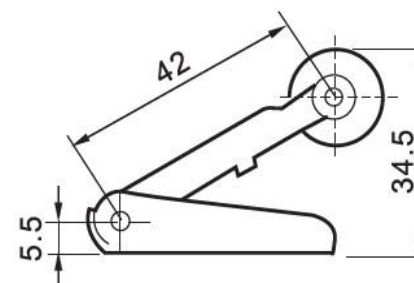
## **PB**



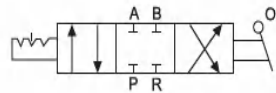
## **EB**



## **R**

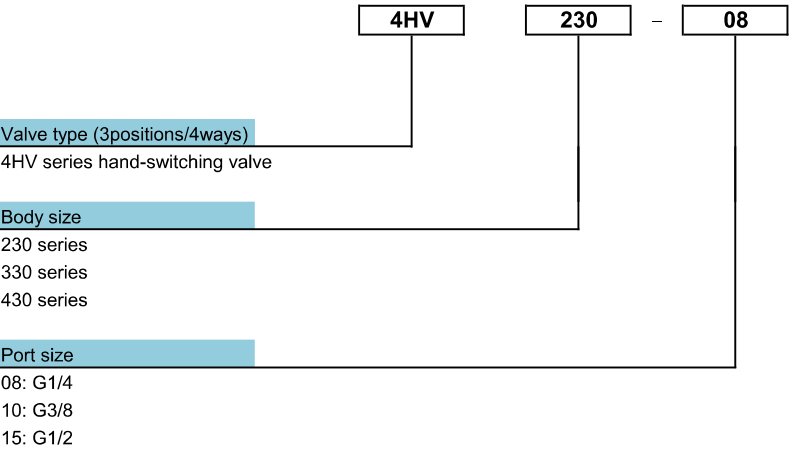


4HV Series Hand-Switching Valve



4HV230-08

1.Ordering Code :



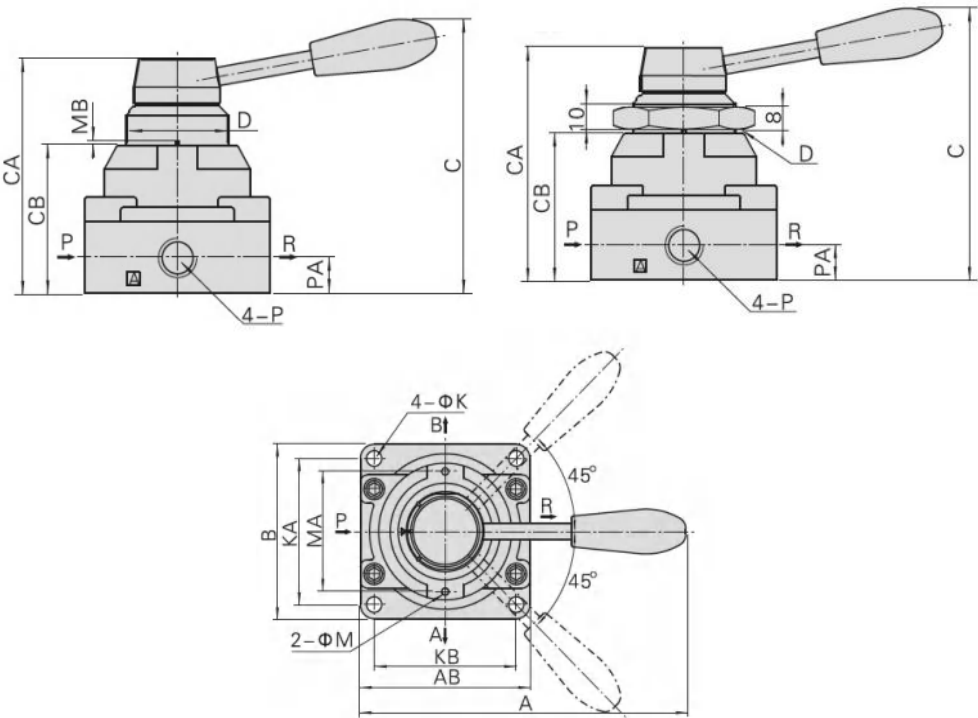
2.Characteristics:

- 1) The 4HV series hand valve is controlled by human or machine, to switch the direction of air flow.
- 2) There are two mounting types, panel mounting with nut and bottom mounting with bolts.
- 3) With big effective flow area and low pressure loss.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Item	4HV230-08	4HV330-10	4HV430-15
Valve type	Three positions four ports		
Applicable medium	40 Micron Filtered Compressed air		
Working pressure	0~0.8 MPa		
Temperature range	0°C~60°C		
Port size	G1/4	G3/8	G1/2

4. Overall and Dimension Sheet:





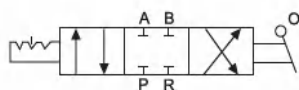
## HV, HV400 Series Hand-Switching Valve



HV-02



HV400-02



### 1.Ordering Code :

**HV** - **02**

#### Valve type (3positions/4ways)

HV: HV series hand-switching valve

HV400: HV400 series hand-switching valve

#### Port size

02: G1/4

03: G3/8

04: G1/2

### 2.Characteristics:

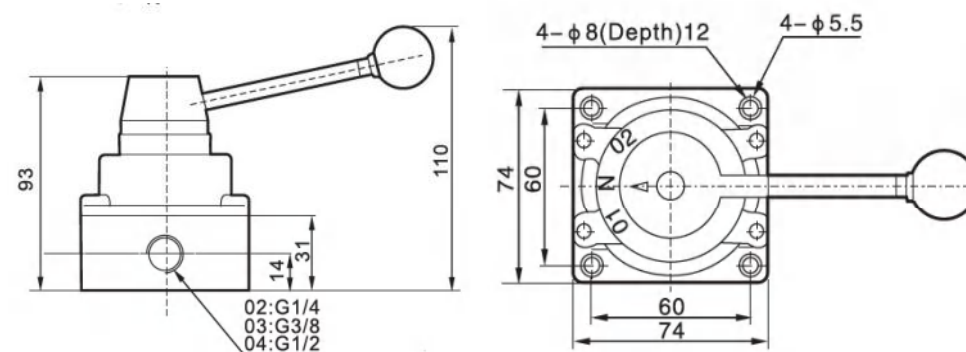
- 1) The HV series hand valve is controlled by human or machine, to switch the direction of air flow.
- 2) The material of valve body: Aluminum alloy.
- 3) Valve type: 3positions 4ways
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

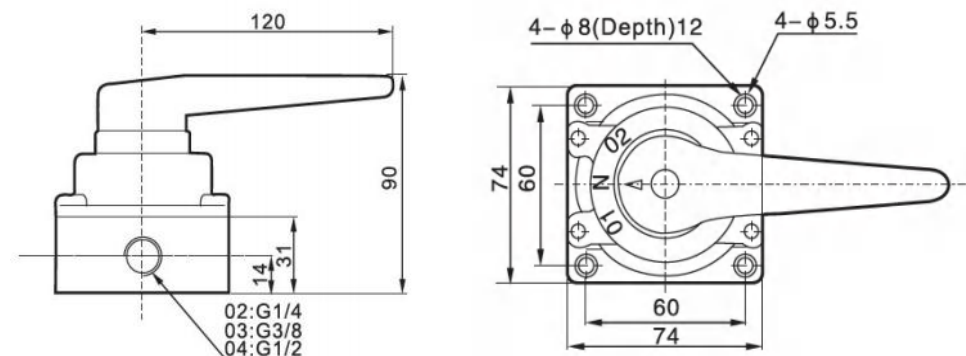
Item	HV-02	HV-03	HV-04
Valve type	Three positions four ports		
Applicable medium	40 Micron Filtered Compressed air		
Effective sectional area	30mm <sup>2</sup> (CV=1.68)		
Working pressure	0~0.8 MPa		
Temperature range	0°C~60°C		
Port size	G1/4	G3/8	G1/2

### 4. Overall and Dimension Sheet:

#### HV series



#### HV400 series



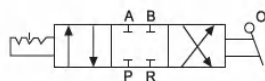
## K34R6 Series Hand-Switching Valve



K34R6-08



K34R6-08D



### 1.Ordering Code :

**K34R6** - **08** ☐

#### Valve type

K34R6: 3positions/4ways hand-switching valve

#### Port size

06: G1/8

08: G1/4

#### Connecting port position

Blank: Two ports on back and front side (four ports in total)

D: Four ports at the bottom

S: One port on each side (four ports in total)

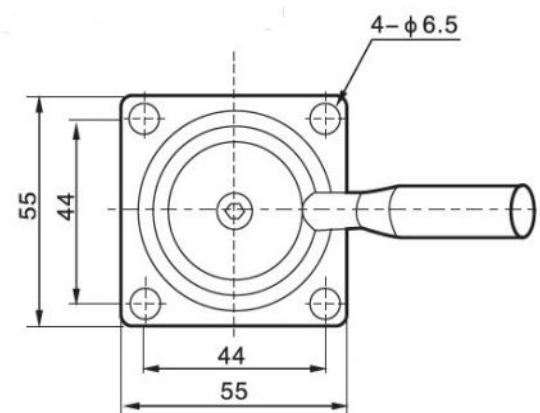
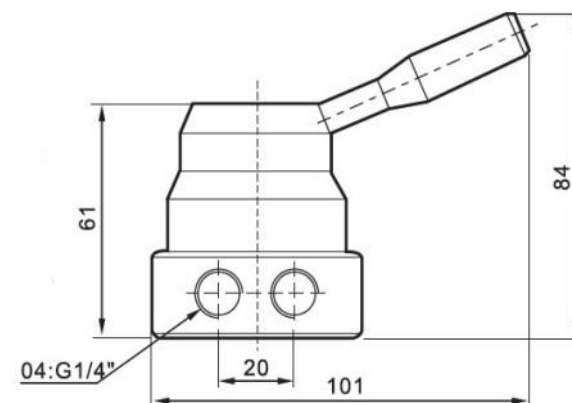
### 2.Characteristics:

- 1) The K34R6 series hand valve is controlled by human or machine, to switch the direction of air flow.
- 2) The material of valve body: Aluminum alloy.
- 3) There are three connecting types for K34R6, bottom, back and front side, and each side.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	K34R6-06	K34R6-08	K34R6-08D
Valve type	Three positions four ports		
Applicable medium	40 Micron Filtered Compressed air		
Effective sectional area	10mm <sup>2</sup>		
Working pressure	0~0.8 MPa		
Temperature range	-5°C~50°C		
Port size	G1/8	G1/4	G1/4

### 4. Overall and Dimension Sheet:



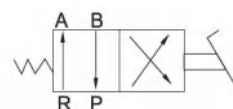
## FV320,FV420 Series Foot Valve



FV320



FV420



### 1.Ordering Code :

**FV** - **320**

#### Foot valve type

FV: FV Series foot valve

#### Button type

320: Two positions three ports

420: Two positions four ports

### 2.Characteristics:

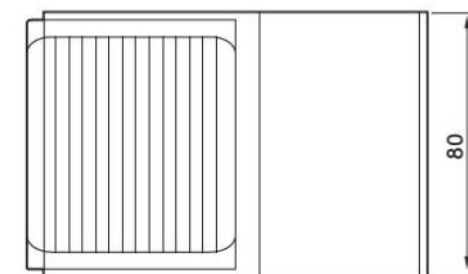
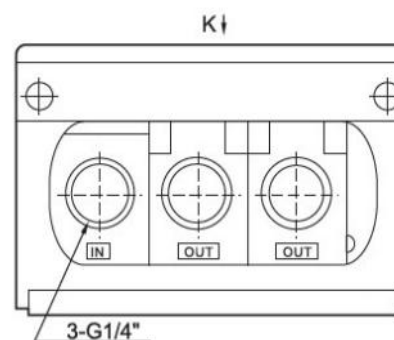
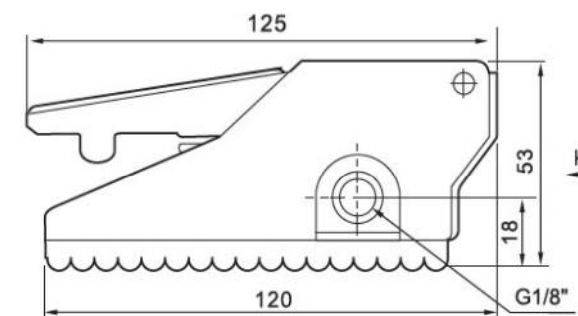
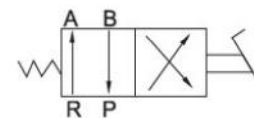
- 1) FV Series foot valve is with high response and stability nature.
- 2) There are two motion pattern, 2positions/3ports and 2positions/4ports
- 3) The material of valve body: Aluminum alloy.
- 4) Different thread types can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Item	FV-320	FV-420
Applicable medium	$\leq 40\mu$ Filtered Air	
Motion patten	Direct drive type	
Valve type	two positions three ports	two positions three ports
Working pressure	0.15~0.9MPa	
Proof Pressure	1.0MPa	
Temperature range	NBR: 0°C ~60°C	
Port size	Inlet and outlet	G1/4
	Exhaust port	G1/8

### 4. Overall and Dimension Sheet:

**FV420**



## Ball Valve

### a) Brass mini ball valve



VB01-MM-1/4



VB01-FF-1/4



VB01-MF-1/4



VB01-MH-1/4-8



VB01-FH-1/4-8



VB01-HH-8-8

#### 1.Ordering Code :

##### Ball valve type

VB01 series brass mini ball valve with red handle.

##### Button type

MM: Male thread to male thread

MF: Male thread to female thread

FH: Female thread to hose barb

FF: Female thread to female thread

MH: Male thread to hose barb

HH: Hose barb on both side

##### Thread size

1/4" 3/8" 1/2"

##### Inner diameter of hose

6: 6mm 8: 8mm 10: 10mm

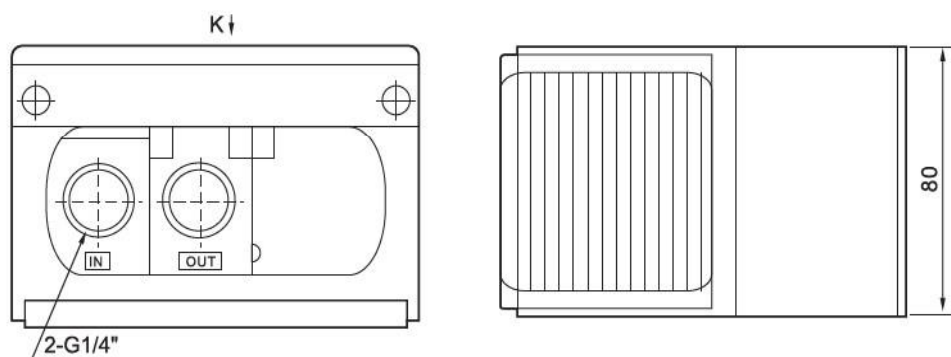
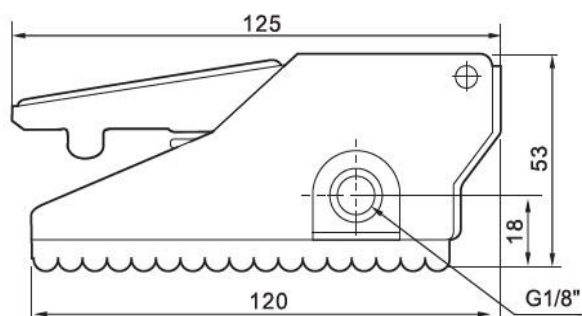
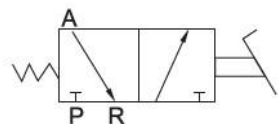
#### 2.Characteristics:

1) Pressure range: 0~1.0MPa

2) Working temperature: 0~60°C

3) Different thread types can be offered according to customers' requirements, e.g.: PT, BSP, NPT etc.

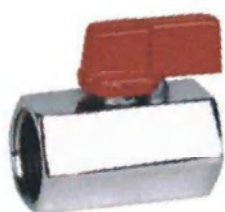
## FV320



## b) Nickel plated Mini Ball Valve



VB09-MM-3/8

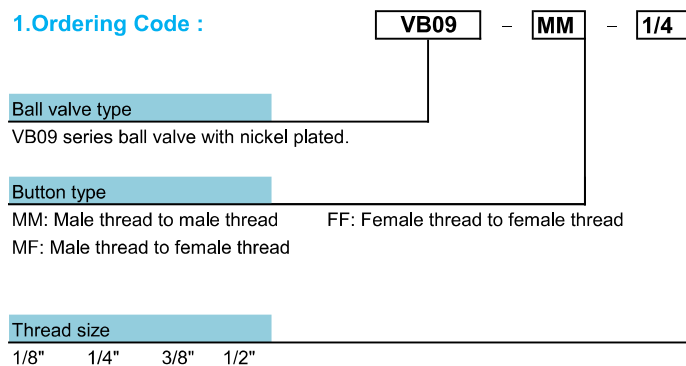


VB09-FF-1/4



VB09-MF-1/4

### 1.Ordering Code :



### 2.Characteristics:

- 1) Pressure range: 0~1.0MPa
- 2) Working temperature: 0~60°C
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, BSP, NPT etc.

## c) VB23,VB24 Series Ball Valve

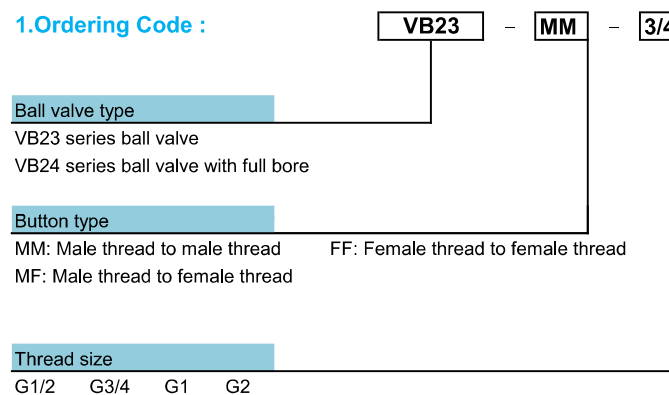


VB23-FF-3/4



VB24-FF-1

### 1.Ordering Code :



### 2.Characteristics:

- 1) Pressure range: 0~1.0MPa
- 2) Working temperature: 0~60°C
- 3) Different thread types can be offered according to customers' requirements, e.g.: PT, BSP, NPT etc.