

HAND-PULL VALVE



4H210-08



4H410-15

Ordering Code

4H

Specification Code
4H: 5/2(3) Way

2

Series Code
2: 200 Series
3: 300 Series
4: 400 Series

10

Motion Pattern
10: Single-head
Double-position
30: Single-head
Three-position

-

06

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

-

L

Type Code
Blank: 5/3 Way Reset
Type
L: 5/3 Way Locking Type

Specification

Model	4H210-06	4H210-08	4H230-08	4H310-08	4H310-10	4H410-15
Working Medium	40 Micron Filtered Air					
Motion Pattern	Direct Drive Type					
Effective Section Area	14mm ² (CV=0.78)	16mm ² (CV=0.89)	12mm ² (CV=0.67)	25mm ² (CV=1.4)	30mm ² (CV=1.68)	50mm ² (CV=2.79)
Port Size	Air Inlet= Air Outlet= Exhaust=G1/8"	Air Inlet=Air Outlet=G1/4" Exhaust=G1/8"		Air Inlet= Air Outlet= Exhaust=G1/4"	Air Inlet= Air Outlet= = G1/8"	Air Inlet= Air Outlet= Exhaust = G1/2"
Working-pressure Range	0~0.8MPa					
Operating Temperature Range	0~60℃					

HAND-PULL VALVE



TSV86522M



TSV98322M

Ordering Code

TSV86	52	2	-	M
Specification Code Hand-pull Valve	Position and Way NO. 5/2 Way	Port Size 1: G1/8" 2: G1/4"		Type Code M: Machinery Locking Type S: Spring Reset Type

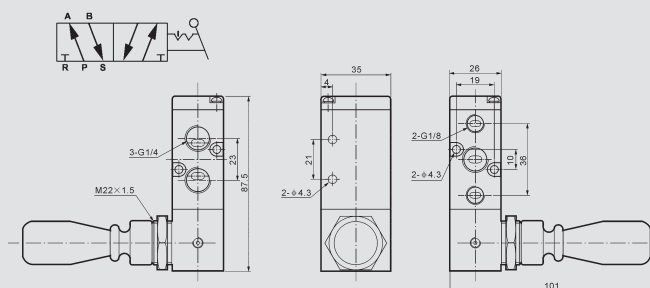
TSV98	32	2	-	M
Specification Code Hand-pull Valve	Position and Way NO. 3/2 Way	Port Size 1: G1/8" 2: G1/4"		Type Code M: Machinery Locking Type S: Spring Reset Type

Specification

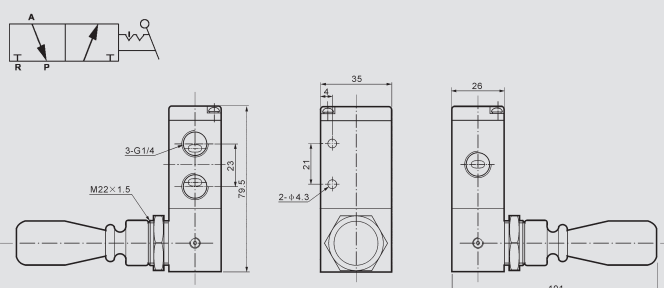
Model	TSV86522 $\frac{M}{S}$	TSV98322 $\frac{M}{S}$
Working Medium	40 Micron Filtered Air	
Motion Pattern	Direct Drive Type	
Effective Section Area	18mm ² (CV=1.00)	
Port Size	G1/4"	
Workin Pressure Range	0~0.8MPa	
Operating Temperature Range	0~60℃	

Overall Dimension

TSV86522



TSV98322



HAND-SWITCHING VALVE



4HV-200

Graphic Symbol



Three position
intermediate exhaust



Three position
intermediate closed

Ordering Code

4HV - 400 - 8A

Model

Body Width

Port Size

6A: PT 1/8

8A: PT 1/4

10A: PT 3/8

15A: PT 1/2

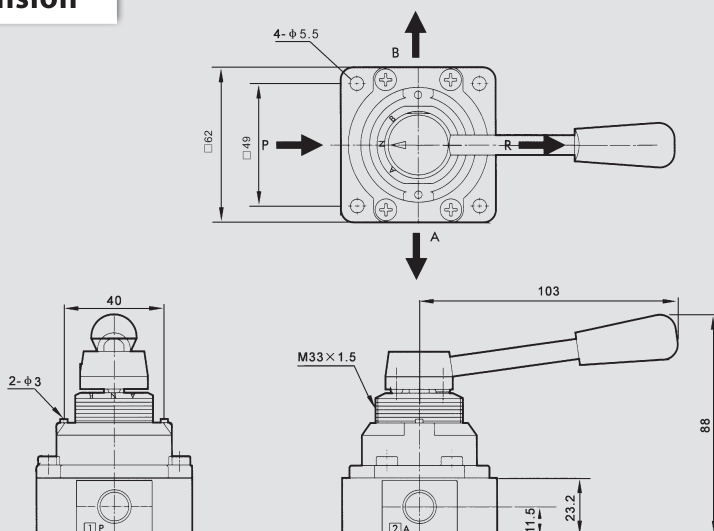
20A: PT 3/4

Specification

Model	4HV-200		4HV-300			4HV-400			
Joint Pipe Code	6A	8A	8A	10A	15A	8A	10A	15A	20A
Operating Fluid	Air								
Working Pressure Range	0 ~ 10Kgf/cm								
Ambient Temperature	5 ~ 60°C								
Way NO.	4								
Port Size	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2	PT1/4	PT3/8	PT1/2	PT3/4

Overall Dimension

4HV-200



HAND-DRAW VALVE



4R210-08



Ordering Code

4R

Specification Code
4R: 5/2 Way Hand-draw Valve
3R: 3/2 Way Hand-draw Valve

2

Series Code
2: 200 Series

10

Motion Pattern
10: Single-head
Double-position

-

06

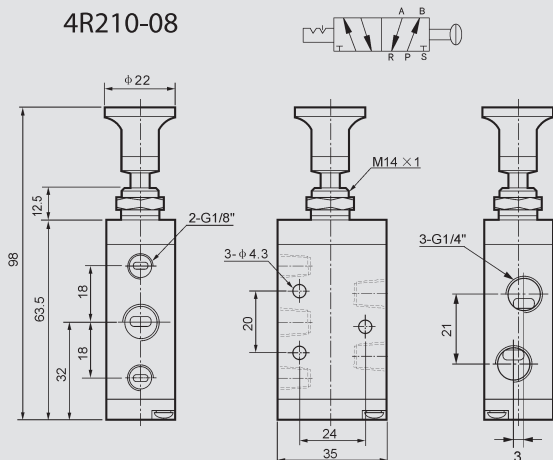
Port Size
06: G1/8"
08: G1/4"

Specification

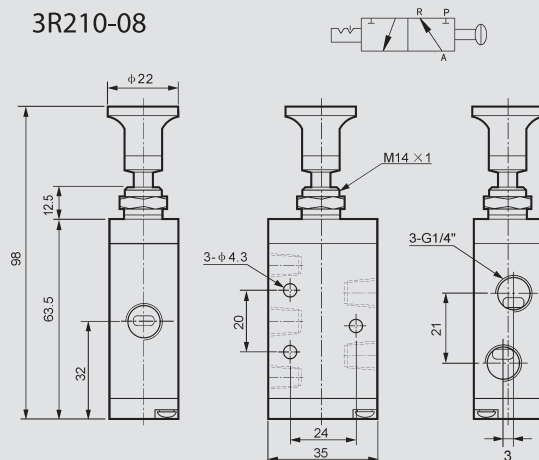
Model	4R210-06	4R210-08	3R210-06	3R210-08
Working Medium	40 Micron Filtered Air			
Position and Way No.	5/2 Way		3/2 Way	
Effective Section Area	14mm ² (CV=0.78)	16mm ² (CV=0.89)	14mm ² (CV=0.78)	16mm ² (CV=0.89)
Port Size	Air Inlet=Air Outlet=Exhaust=G1/8"	Air Inlet=Air Outlet=G1/4" Exhaust=G1/8"	Air Inlet=Air Outlet=Exhaust=G1/8"	Air Inlet=Air Outlet=Exhaust=G1/4"
Working-pressure Range	0~0.8MPa			
Operating Temperature Range	0~60℃			

Overall Dimension

4R210-08



3R210-08



MECHANICAL VALVE



Ordering Code

MSV

Specification Code
Mechanical Valve

86

Series Code
86 Series
98 Series

32

Position and
Way NO.
32: 3/2 Way
52: 5/2 Way

1

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

R

Button Type
Blank: Basic Type
R: Roller Type
TB: Selective Knob
LB: Strengthened Knob
PB: Large Round Button
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.	3/2 Way	5/2 Way	3/2 Way
Effective Section Area	12mm ² (CV=0.67)	16mm ² (CV=0.89)	16mm ² (CV=0.89)
Port Size	G1/8"	G1/4"	G1/4"
Working Pressure Range	0~0.8MPa		
Operating Temperature Range	0~60℃		

MECHANICAL VALVE



JM-06A



JM-05



JM-06



JM-07

Ordering Code

JM

-

05

Specification Code
Stop-type
Machinery Valve

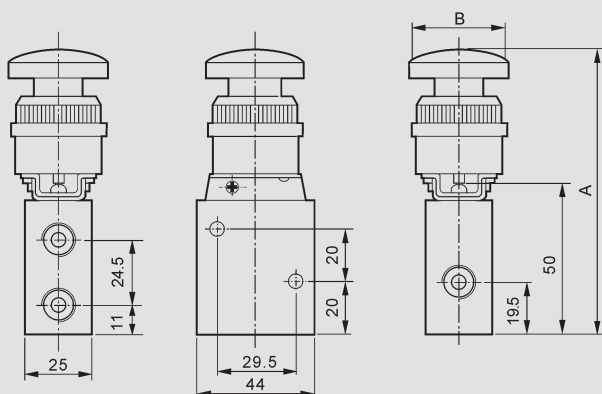
Button Type
05: Selective Knob
06: With Lock Button

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.	3/2 Way			
Port Size	G1/4"			
Working Pressure Range	0~0.8MPa			
Operating Temperature Range	0~60℃			

Overall Dimension



Dimension Sheet

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

FOOT VALVE



4F210-08



4F210-08L



4F210-08LG



FV320



FV420

Ordering Code

4F

Specification
Code
4F: 5/2 Way
Foot Valve

2

Series Code
2: 200 Series

10

Motion Pattern
10: Single-
head Double-
position

- 08

Port Size
08: G1/4"

L

Type Code
Blank: Standard Type
L: With Lock
G: With Cover
LG: With lock and
cover

FV

Specification
Code
Foot Valve

- 320

Position and
Way NO.
320: 3/2 Way
420: 4/2 Way

Specification

Model	4F210-08	4F210-08L	4F210-08G	4F210-08LG	FV420	FV320
Working Medium	40 Micron Filtered Air					
Position and Way No.	5/2 Way				4/2 Way	3/2 Way
Motion Pattern	Direct Drive Type					
Port Size	Air Inlet=Air Outlet=Exhaust=G1/4"				Air Inlet=Air Outlet=G1/4" Exhaust=G1/8"	
Working Pressure Range	0~0.8MPa					
Operating Temperature Range	0~60℃					

ASC SERIES FLOW CONTROL VALVE



ASC-06



ASC-10



RE-01

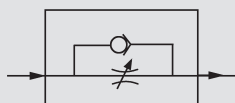


RE-02



RE-04

Graphic Symbol



Ordering Code

ASC

-

08

Specification Code
ASC: Flow Control Valve
(Accurate)

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

RE

-

01

Specification Code
RE: Flow Control Valve

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

Specification

Model	Accurate Type				Ordinary Type			
	ASC-06	ASC-08	ASC-10	ASC-15	RE-01	RE-02	RE-03	RE-04
Working Medium	G1/8"	G1/4"	G3/8"	G1/2"	G1/8"	G1/4"	G3/8"	G1/2"
Port Size	Air							
Working Pressure Range	0~0.95MPa							
Operating Temperature Range	0~60℃							

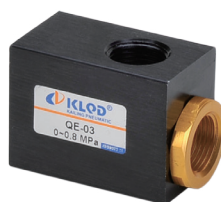
QUICK EXHAUST VALVE



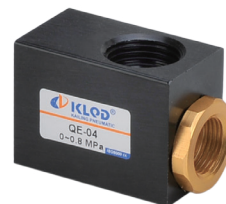
QE-01



QE-02



QE-03



QE-04

Ordering Code

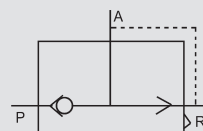
QE

Specification Code
QE: Quick Exhaust Valve

01

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

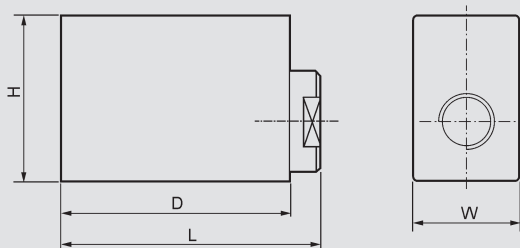
Graphic Symbol



Specification

Model	QE-01	QE-02	QE-03	QE-04	QE-06
Working Medium	Air				
Effective Section Area	16mm ²	27.5mm ²	28mm ²	71mm ²	72.5mm ²
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"
Working Pressure Range	0~0.8MPa				
Operating Temperature Range	0~60℃				

Overall Dimension



Dimension Sheet

Model	Port Size	L	W	H	D
QE-01	G1/8	39	18	27	35
QE-02	G1/4	54	28	36	50
QE-03	G3/8	54	28	36	50
QE-04	G1/2	66	28	36	50

SHUTTLE VALVE



ST-01



ST-04

Ordering Code

ST

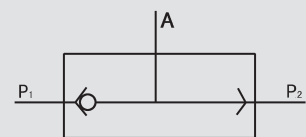
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01

Specification Code
ST: Shuttle Valve

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

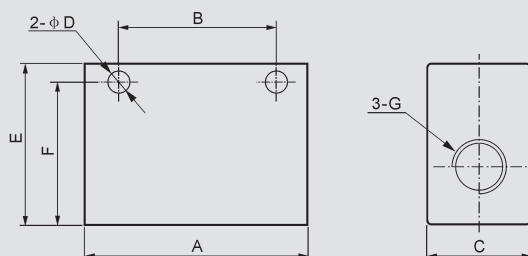
Graphic Symbol



Specification

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

Overall Dimension



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"