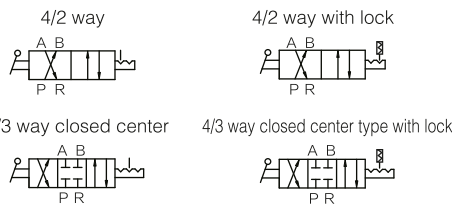


Valve

3V1
3V2
3V2M
3V3
3V100
3V200
3V300
4V100
4V200
4V300
4V400
HY-S1
HY-S2
HY-S3
HY-S4



Symbol

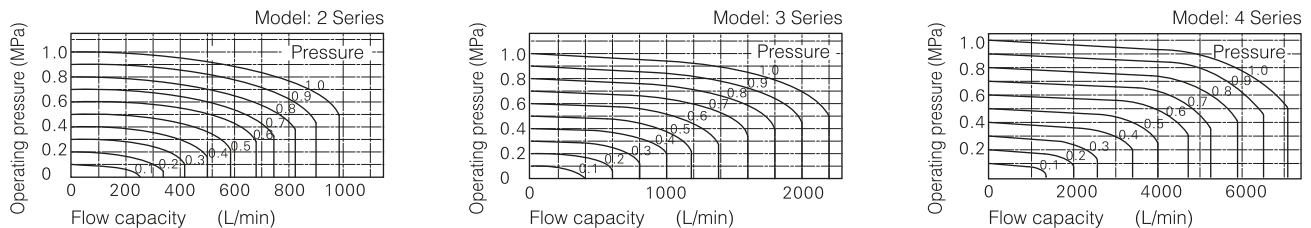


Ordering code

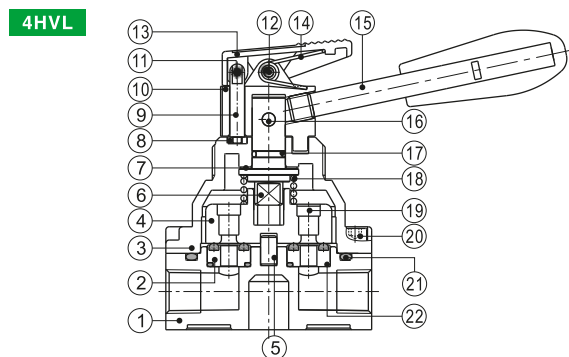
Model	Code	Valve type	Port size	Installation	Note	Thread type
4HV	2	30	06	S	L	
4HV Hand lever valve	2 200 Series	10 4 port 2 position	Code Port size	Blank Body installation	Blank Without lock	Blank PT
	3 300 Series	30 4 port 3 position ①	200 Series 06 1/8"	S Panel installation ②	L With lock	G G
	4 400 Series		08 1/4"			T NPT
			08 1/4"			
			10 3/8"			
			15 1/2"			
			20 3/4"			

- ① 4 port 3 position only has closed center type.
② The panel installation can be attached with installing nut.

Flow chart



Inner structure



No.	Item	No.	Item	No.	Item
1	Body	9	Lock pin	17	Shaft O-ring
2	Seal base	10	Valve cap	18	Spring
3	Valve cover	11	Spring pin	19	Iron plate
4	Valve plug	12	Pin one	20	Fixing screw
5	Column pin	13	Front cover	21	Body O-ring
6	Shaft	14	Spring	22	Seal base O-ring
7	Washer	15	Handle		
8	Fixing plate	16	Pin two		

Specification

Model	4HV2□□ -06(L)	4HV2□□ -08(L)	4HV3□□ -08(L)	4HV3□□ -10(L)	4HV4□□ -15(L)	4HV4□□ -20(L)
Fluid	Air (to be filtered by 40μm filter element)					
Operating	Manual control direct acting tupe					
Port size ①	1/8"	1/4"	1/4"	3/8"	1/2"	3/4"
Orifice size	14.0mm ² (Cv=0.78)	16.0mm ² (Cv=0.89)	30.0mm ² (Cv=1.67)	33.0mm ² (Cv=1.83)	88.0mm ² (Cv=4.89)	95.0mm ² (Cv=5.27)
Valve type	4/2 Way, 4/3 Way					
Lubrication	Not required					
Pressure range	0~1.0MPa(0~145psi)					
Proof pressure	1.5MPa(215psi)					
Temperature	-20~70℃					
Operating angle	90° (4/3 Way: 45°)					

① PT thread, G thread and NPT thread are available.

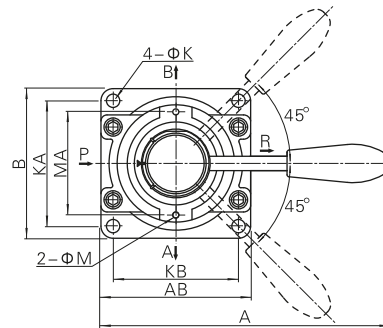
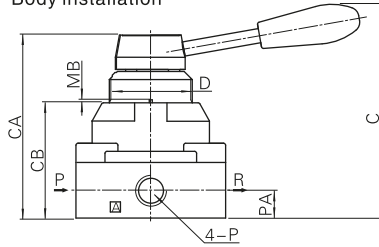
Product feature

1. The direction-change turns lightly with good hand feeling and exact orientation.
2. Large effective circulating area leads to little pressure loss.
3. Panel and body installation are optional, The panel installation can be attached with installing nut.

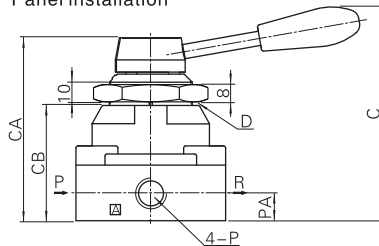
Dimensions

4HV

Body installation



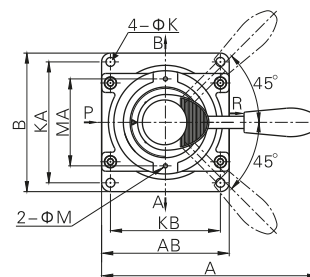
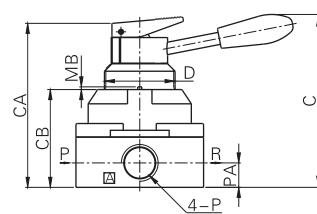
Panel installation



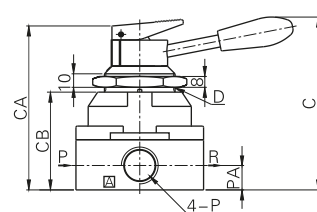
Model\Item	A	AB	B	C	CA	CB	D	K	KA	KB	M	MA	MB	P	PA
4HV2□□-06	120	62	62	92.5	73	45	M34×1.5	5.5	49	49	3	40	1.5	1/8"	11.5
4HV2□□-08	120	62	62	92.5	73	45	M34×1.5	5.5	49	49	3	40	1.5	1/4"	11.5
4HV3□□-08	140	74	74	104	88.5	56	M40×1.5	6.5	62	62	3	51	1.5	1/4"	13.5
4HV3□□-10	140	74	74	104	88.5	56	M40×1.5	6.5	62	62	3	51	1.5	3/8"	13.5
4HV4□□-15	160	94	102	128	110	72	M52×1.5	6.5	89	81	3	64	2	1/2"	18
4HV4□□-20	160	94	102	128	110	72	M52×1.5	6.5	89	81	3	64	2	3/4"	18

4HVL

Body installation



Panel installation



Model\Item	A	AB	B	C	CA	CB	D	K	KA	KB	M	MA	MB	P	PA
4HV2□□-06L	120	62	62	92.5	84	45	M34×1.5	5.5	49	49	3	40	1.5	1/8"	11.5
4HV2□□-08L	120	62	62	92.5	84	45	M34×1.5	5.5	49	49	3	40	1.5	1/4"	11.5
4HV3□□-08L	140	74	74	104	99	56	M40×1.5	6.5	62	62	3	51	1.5	1/4"	13.5
4HV3□□-10L	140	74	74	104	99	56	M40×1.5	6.5	62	62	3	51	1.5	3/8"	13.5
4HV4□□-15L	160	94	102	128	121	72	M52×1.5	6.5	89	81	3	64	2	1/2"	18
4HV4□□-20L	160	94	102	128	121	72	M52×1.5	6.5	89	81	3	64	2	3/4"	18

Valve

3V1
3V2
3V2M
3V3
3V100
3V200
3V300
4V100
4V200
4V300
4V400
HY-S1
HY-S2
HY-S3
HY-S4
4M
3V Manifold
4V Manifold
Coil
3A100
3A200
3A300
4A100
4A200
4A300
4A400
3A Manifold
4A Manifold
VF3000
VF5000
SY
SY Manifold
MVSD-180
MVSC-220
MVSC-260
MVSC-300
MVSC-460
HB10
3H
4H
TSV
3R
4R
HSV
4HV/4HVL
HV
K ²⁴ ₃₄
MOV
JM
MSV
XQ ²³ ₂₅
3F/3FM
4F
FV
K ²³ ₂₅
ASC
RE
QE
ST
KA
XQ
AQ

Valve

3V1
3V2
3V2M
3V3
3V100
3V200
3V300
4V100
4V200
4V300
4V400
HY-S1
HY-S2
HY-S3
HY-S4

4M

3V Manifold

4V Manifold

Coil

3A100

3A200

3A300

4A100

4A200

4A300

4A400

3A Manifold

4A Manifold

VF3000

VF5000

SY

SY Manifold

MVSD-180

MVSC-220

MVSC-260

MVSC-300

MVSC-460

HB10

3H

4H

TSV

3R

4R

HSV

4HV/4HVL

HV

K²⁴₃₄

MOV

JM

MSV

XQ²³₂₅

3F/3FM

4F

FV

K²³₂₅

ASC

RE

QE

ST

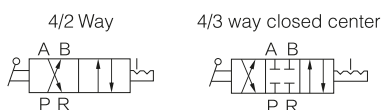
KA

XQ

AQ



Symbol

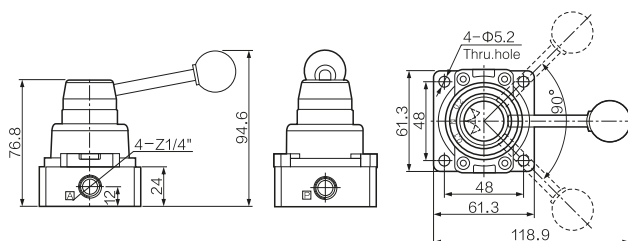


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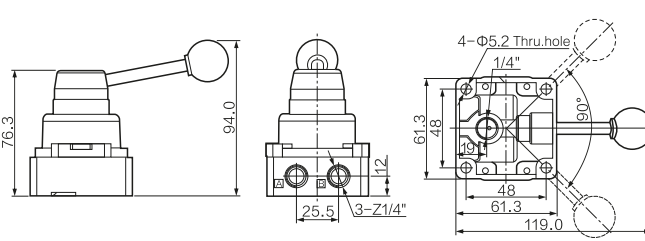
Model	Code	Valve type	Function code	Port size	Handle type	Thread type
HV	2	00	Blank	02	Blank	Blank
Hand lever valve	200 Series	4/2 Way	Basic type four side port	1/4"	Iron handle	PT
	3	30	A	03	P	G
	300 Series	4/3 Way	Bottom port	3/8"	Plastic handle	G
			B	04		T
				1/2"		NPT

Dimensions

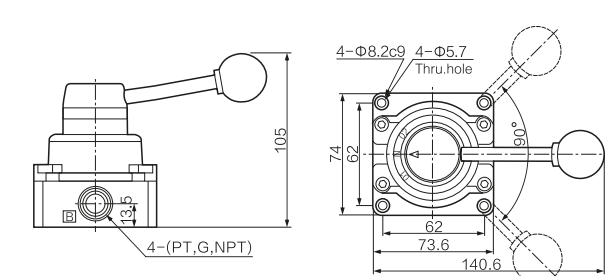
HV200A-02



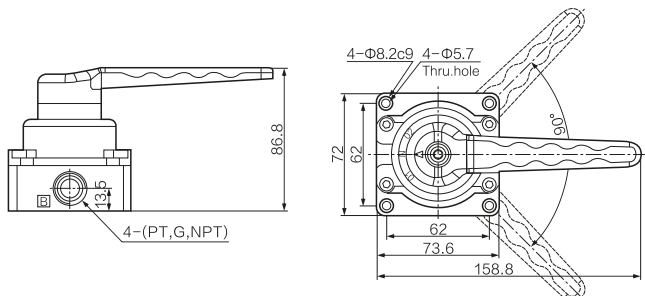
HV200B-02



HV300-02/03/04 HV330-02/03/04



HV300-02/03/04-P HV330-02/03/04-P



Specifications

Model	HV200A-02	HV230A-02	HV200B-02	HV230B-02
Fluid	Air (to be filtered by 40μm filter element)			
Operating	Manual control			
Port size	In=Out=1/4"			
Pressure range	0.15~0.8MPa(21~114psi)			
Valve type	4/2 Way	4/3 Way	4/2 Way	4/3 Way
Temperature	-10~60℃			
Proof pressure	1.5MPa(215psi)			

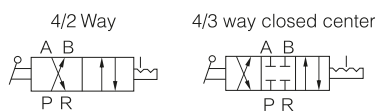
Model	HV300-02	HV330-02	HV300-03	HV330-03	HV300-04	HV330-04
Fluid	Air (to be filtered by 40μm filter element)					
Operating	Manual control					
Port size	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"
Pressure range	0.15~0.8MPa(21~114psi)					
Valve type	4/2 Way	4/3 Way	4/2 Way	4/3 Way	4/2 Way	4/3 Way
Temperature	-10~60℃					
Proof pressure	1.5MPa(215psi)					



Specification

Model	K24R6-L8	K34R6-L8	K24R6-L8D	K34R6-L8D	K24R6-L8S	K34R6-L8S
Fluid	Air (to be filtered by 40μm filter element)					
Operating	Manual control					
Port size	In=Out=1/4"					
Pressure range	0.15~0.8MPa(21~114psi)					
Valve type	4/2 Way	4/3 Way	4/2 Way	4/3 Way	4/2 Way	4/3 Way
Temperature	-10~60℃					
Proof pressure	1.5MPa(215psi)					

Symbol

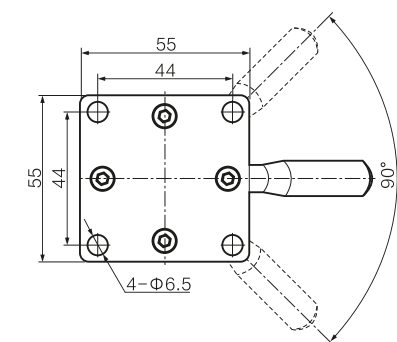


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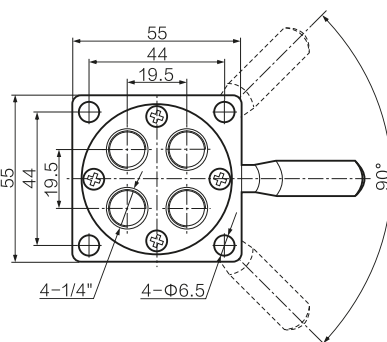
K	24	R6	L8	D	□
Series code	Valve type		Port size		Thread type
	24 4/2 Way		L8 1/4"		Blank PT
	34 4/3 Way				G G
					T NPT
Function code			Take over type		
R6 Hand lever valve			Blank Both sides port		
			D Bottom port		
			S Four side port		

Dimensions

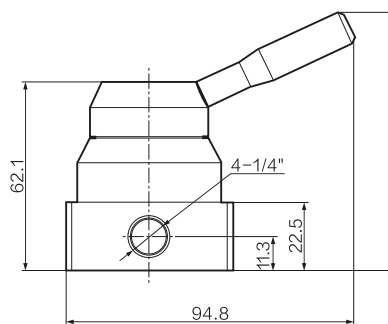
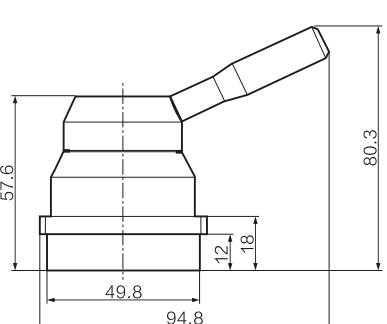
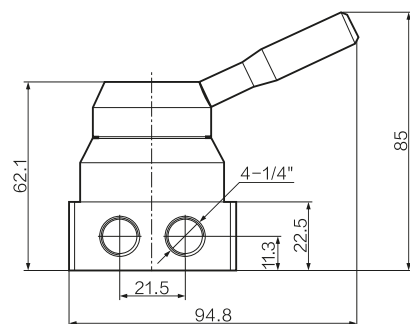
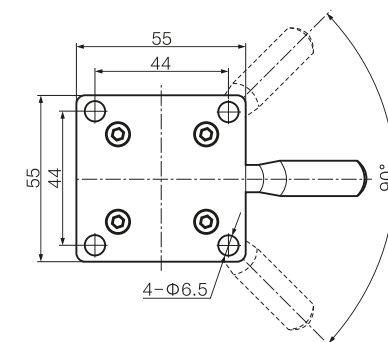
K34R6-8



K34R6-8D



K34R6-8S



Valve

3V1
3V2
3V2M
3V3
3V100
3V200
3V300
4V100
4V200
4V300
4V400
HY-S1
HY-S2
HY-S3
HY-S4
4M
3V Manifold
4V Manifold
Coil
3A100
3A200
3A300
4A100
4A200
4A300
4A400
3A Manifold
4A Manifold
VF3000
VF5000
SY
SY Manifold
MVSD-180
MVSC-220
MVSC-260
MVSC-300
MVSC-460
HB10
3H
4H
TSV
3R
4R
HSV
4HV/4HVL
HV
K ₃₄ ²⁴
MOV
JM
MSV
XQ ₂₅ ²³
3F/3FM
4F
FV
K ₂₅ ²³
ASC
RE
QE
ST
KA
XQ
AQ