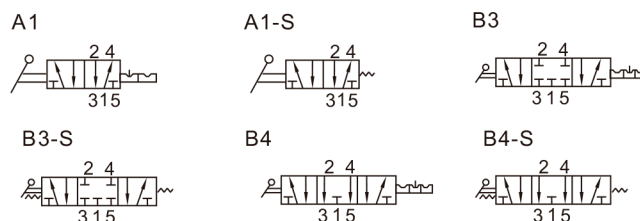


VH SERIES



Symbol

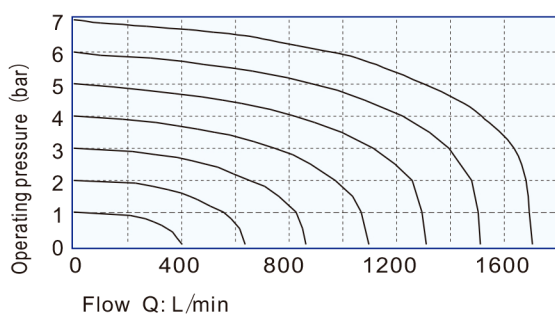


Product feature

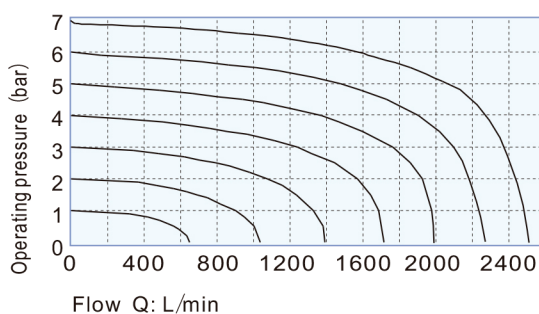
1. Manual operation, smooth actuation, and exact and reliable orientation.
2. Sliding column structure has good tightness and light weight and is easy to install and dismount.
3. Internal hole adopts special processing technology which has little attrition friction, long service life.
4. No need to add oil for lubrication.
5. Panel-mounting makes it convenient to install and apply.

Flow chart

Model: VH51A102



Model: VH52A103



Ordering code

VH 5 1 A 1 02 - S

① ② ③ ④ ⑤ ⑥ ⑦

① **Model**
VH: Hand Lever Valve

② **Valve Type**
5: 5/2 Way, 5/3 Way

③ **Series Code**
1: 1 Serie
2: 2 Serie

④ **Directional control**
A: 2 Positions
B: 3 Positions

Series Code	Port Size
1 Serie	01: 1/8" G
	02: 1/4" G
2 Serie	02: 1/4" G
	03: 3/8" G

⑦ **Return type**
Blank: Manual Return
S: Spring Return

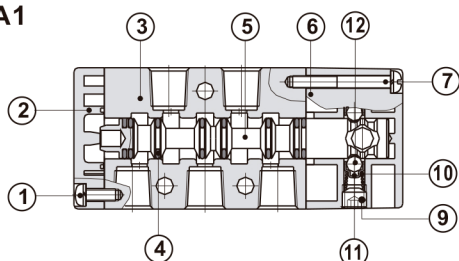
⑤ **Acting**
1: Single-acting
3: Double-acting closed center
4: Double-acting exhaust center

Specification

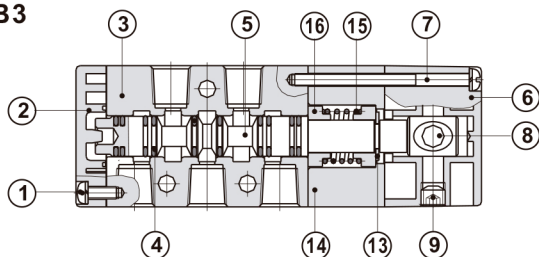
Valve	VH51A101	VH51B3(4)01	VH51A102	VH51B3(4)02	VH52A102	VH52B3(4)02	VH52A103	VH52B3(4)03
Fluid	Air(to be filtered by 40μm filter element)							
Acting	Manual control direct acting type							
Port size	In= Out= Exhaust= 1/8"		In= Out= 1/4"G Exhaust= 1/8"G		In= Out= Exhaust= 1/4"G		In= Out= 3/8"G Exhaust= 1/4"G	
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Lubrication	Not required							
Operating pressure	0~8bar(0~114psi)							
Proof pressure	15bar(215psi)							
Temperature °C	-20~70							
Operating angle	±15°	±8.5°	±15°	±8.5°	±18°	±10°	±18°	±10°
Material of body	Aluminum alloy							

Inner structure

VH51A1



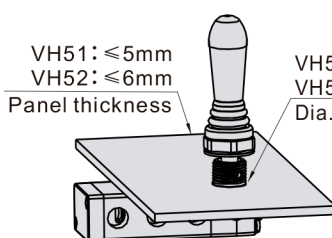
VH51B3



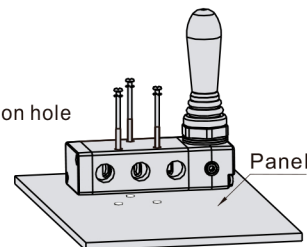
No.	Item
(1)	Round head screw
(2)	Bottom cover
(3)	Body
(4)	O-ring
(5)	Spool
(6)	Top cover
(7)	Round head cover
(8)	Axle
(9)	Stop screw
(10)	Spring
(11)	Steel ball jacket
(12)	Steel ball
(13)	E clip
(14)	Side cover
(15)	Spring
(16)	Spring holder

Installation

1. 5/3 way manual return hand lever valve is positioned by steel ball, which is convenient to switch. Please apply the proper force to avoid the position mismatch and misoperation.
2. When installed by panel, disassemble the gasket according to the practical requirement.
3. Below is the installation method for reference.
Note: Please give your attention on the panel thickness and hole dimension when installed by panel.



Panel Installation

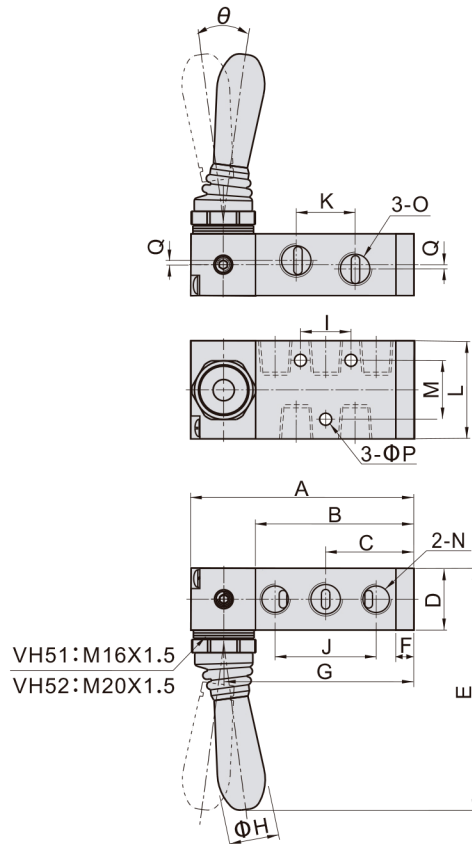


Body Installation

VH SERIES

Dimensions

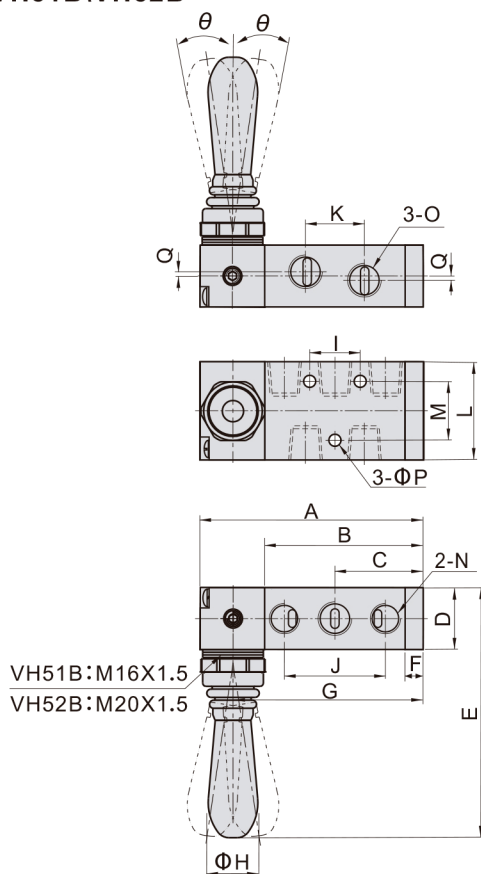
VH51A\|VH52A



Model\Item	A	B	C	D	E	F	G	H	I
VH51A101	81.5	57.5	32.5	22	90	7.5	69.5	18	20
VH51A102	81.5	57.5	32.5	22	90	7.5	69.5	18	20
VH52A102	101	73	40.5	27	93.5	8	87	18	24
VH52A103	101	73	40.5	27	93.5	8	87	18	24

Model\Item	J	K	L	M	N	O	P	Q	Θ
VH51A101	36	18	35	23.5	1/8"G	1/8"G	4.3	-	15
VH51A102	36	21	35	23.5	1/8"G	1/4"G	4.3	1.5	15
VH52A102	45	22	40	27.5	1/4"G	1/4"G	4.3	-	18
VH52A103	45	24	40	27.5	1/4"G	3/8"G	4.3	2	18

VH51B\|VH52B

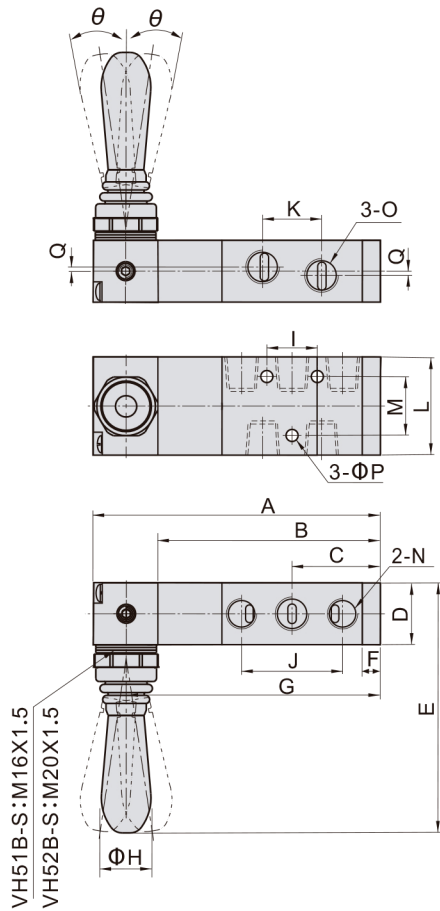


Model\Item	A	B	C	D	E	F	G	H	I
VH51B3(4)01	81.5	57.5	32.5	22	90.5	7.5	69.5	18	20
VH51B3(4)02	81.5	57.5	32.5	22	90.5	7.5	69.5	18	20
VH52B3(4)02	101	73	40.5	27	94	8	87	18	24
VH52B3(4)03	101	73	40.5	27	94	8	87	18	24

Model\Item	J	K	L	M	N	O	P	Q	Θ
VH51B3(4)01	36	18	35	23.5	1/8"G	1/8"G	4.3	-	8.5
VH51B3(4)02	36	21	35	23.5	1/8"G	1/4"G	4.3	1.5	8.5
VH52B3(4)02	45	22	40	27.5	1/4"G	1/4"G	4.3	-	10
VH52B3(4)03	45	24	40	27.5	1/4"G	3/8"G	4.3	2	10

Dimensions

VH51B-S\|VH52B-S



Model\Item	A	B	C	D	E	F	G	H	I
VH51B3(4)01-S	100.5	76.5	32.5	22	90.5	7.5	88.5	18	20
VH51B3(4)02-S	100.5	76.5	32.5	22	90.5	7.5	88.5	18	20
VH52B3(4)02-S	120	92	40.5	27	94	8	106	18	24
VH52B3(4)03-S	120	92	40.5	27	94	8	106	18	24

Model\Item	J	K	L	M	N	O	P	Q	Θ
VH51B3(4)01-S	36	18	35	23.5	1/8"G	1/8"G	4.3	-	8.5
VH51B3(4)02-S	36	21	35	23.5	1/8"G	1/4"G	4.3	1.5	8.5
VH52B3(4)02-S	45	22	40	27.5	1/4"G	1/4"G	4.3	-	10
VH52B3(4)03-S	45	24	40	27.5	1/4"G	3/8"G	4.3	2	10