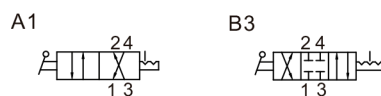


VHL SERIES

Symbol

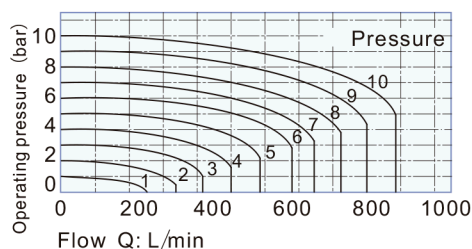


Product feature

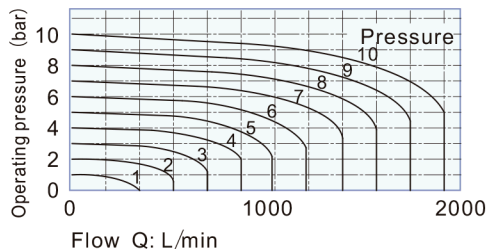
1. The direction-change turns lightly with good hand feeling and exact orientation.
2. Large effective circulating area leads to little pressure loss.
3. Panel and body installation are optional. The panel installation can be attached with installing nut.

Flow chart

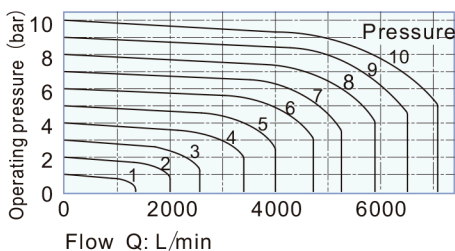
Model:VHL41



Model:VHL42



Model:VHL43



Ordering code

VHL 4 2 A 1 02

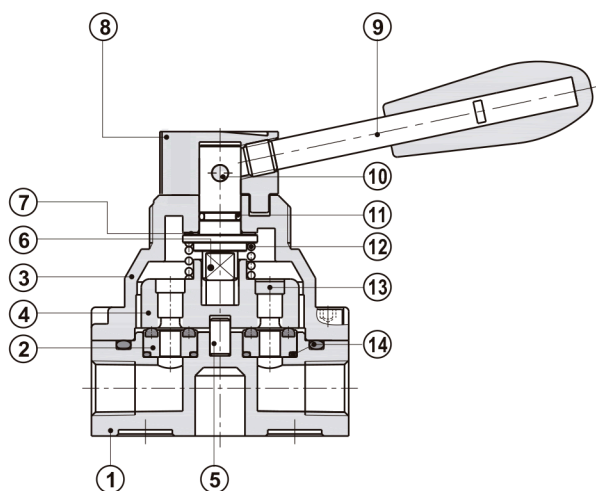
① ② ③ ④ ⑤ ⑥

①	Model VHL: Hand Lever Valve	④	Directional control A: 2 Positions B: 3 Positions
②	Valve Type 4: 4/2 Way, 4/3 Way	⑥	Series Port Size
③	Series Code 1: 1 Series 2: 2 Series 3: 3 Series	1 Series	01: 1/8" G 02: 1/4" G
		2 Series	02: 1/4" G 03: 3/8" G
		3 Series	04: 1/2" G 06: 3/4" G
⑤	Acting 1: Single-acting 3: Double-acting closed center		

Specification

Valve	VHL41A1(B3)01	VHL41A1(B3)02	VHL42A1(B3)02	VHL42A1(B3)03	VHL43A1(B3)04	VHL43A1(B3)06
Fluid	Air(to be filtered by 40 μ m filter element)					
Acting	Manual control direct acting type					
Port size	1/8"G	1/4"G	1/4"G	3/8"G	1/2"G	3/4"G
Orifice size	14.0mm ²	16.0mm ²	30.0mm ²	33.0mm ²	88.0mm ²	95.0mm ²
Cv value	Cv=0.78	Cv=0.89	Cv=1.67	Cv=1.83	Cv=4.89	Cv=5.27
Valve type	4 port 2 position or 4 port 3 position					
Lubrication	Not required					
Operating pressure	0~10bar(0~145psi)					
Proof pressure	15bar(215psi)					
Temperature $^{\circ}$ C	-20~70					
Operating angle	90 $^{\circ}$ (4/3 Way:45 $^{\circ}$)					

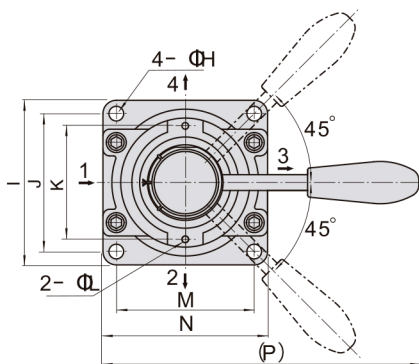
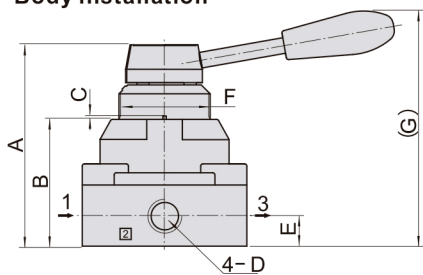
Inner structure



No.	Item
(1)	Body
(2)	Seal base
(3)	Valve cover
(4)	Valve plug
(5)	Column pin
(6)	Shaft
(7)	Washer
(8)	Valve cap
(9)	Handle
(10)	Pin two
(11)	Shaft O-ring
(12)	Spring
(13)	Iron plate
(14)	O-ring

Dimensions

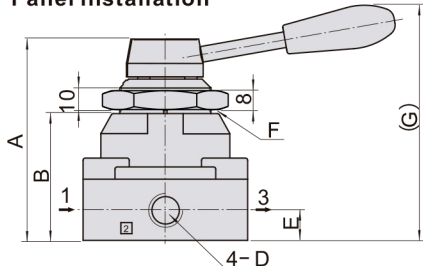
Body installation



Model\Item	A	B	C	D
VHL41A1(B3)01	73	45	1.5	1/8"G
VHL41A1(B3)02	73	3045	1.5	1/4"G
VHL42A1(B3)02	88.5	56	1.5	1/4"G
VHL42A1(B3)03	88.5	56	1.5	3/8"G
VHL43A1(B3)04	110	72	2	1/2"G
VHL43A1(B3)06	110	72	2	3/4"G

Model\Item	E	F	G
VHL41A1(B3)01	11.5	M34X1.5	92.5
VHL41A1(B3)02	11.5	M34X1.5	92.5
VHL42A1(B3)02	13.5	M40X1.5	104
VHL42A1(B3)03	13.5	M40X1.5	104
VHL43A1(B3)04	18	M52X1.5	128
VHL43A1(B3)06	18	M52X1.5	128

Panel installation



Model\Item	H	I	J	K	L	M	N	P
VHL41A1(B3)01	5.5	62	49	40	3	49	62	120
VHL41A1(B3)02	5.5	62	49	40	3	49	62	120
VHL42A1(B3)02	6.5	74	62	51	3	62	74	140
VHL42A1(B3)03	6.5	74	62	51	3	62	74	140
VHL43A1(B3)04	6.5	102	89	64	3	81	94	160
VHL43A1(B3)06	6.5	102	89	64	3	81	94	160