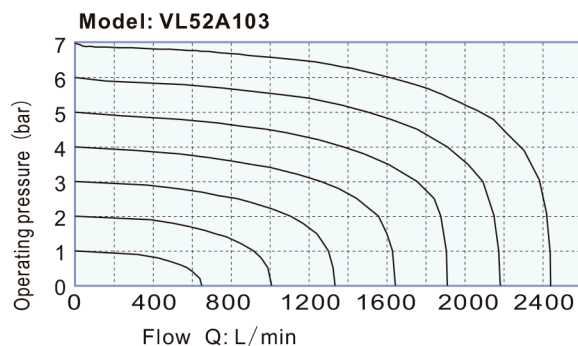
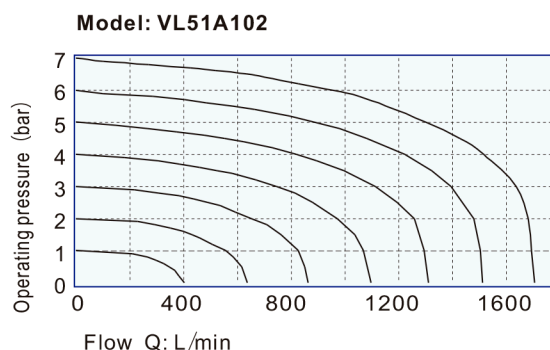
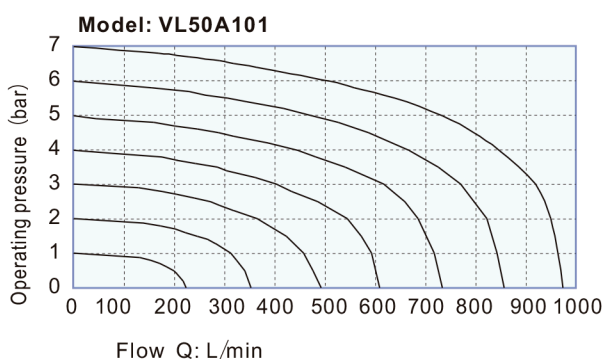


Symbol



Flow chart



Ordering code

VL 5 2 A 1 02 - S

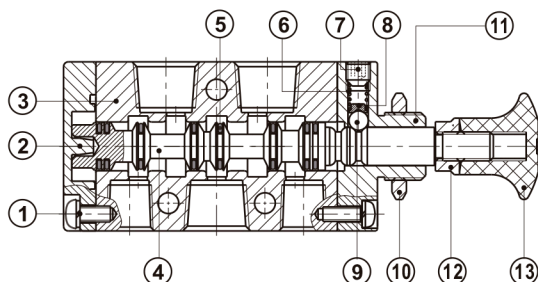
① ② ③ ④ ⑤ ⑥ ⑦

①	Model VL: Push-pull Valve	⑤	Acting 1: Single-acting										
②	Valve Type 5: 5/2 Way	⑥	<table><tr><th>Series</th><th>Port Size</th></tr><tr><td>0 Serie</td><td>01: 1/8" G</td></tr><tr><td rowspan="2">1 Serie</td><td>01: 1/8" G</td></tr><tr><td>02: 1/4" G</td></tr><tr><td rowspan="2">2 Serie</td><td>02: 1/4" G</td></tr><tr><td>03: 3/8" G</td></tr></table>	Series	Port Size	0 Serie	01: 1/8" G	1 Serie	01: 1/8" G	02: 1/4" G	2 Serie	02: 1/4" G	03: 3/8" G
Series	Port Size												
0 Serie	01: 1/8" G												
1 Serie	01: 1/8" G												
	02: 1/4" G												
2 Serie	02: 1/4" G												
	03: 3/8" G												
③	Series Code 0: 0 Serie 1: 1 Serie 2: 2 Serie												
④	Directional control A: 2 Positions	⑦	Return type Blank: Manual Return S: Spring Return										

Specification

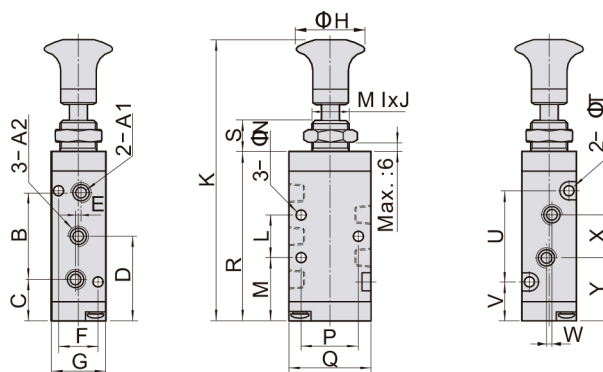
Valve	VL50A101	VL51A101	VL51A102	VL52A102	VL52A103
Fluid	Air(to be filtered by 40μm filter element)				
Acting	Manual control direct acting type				
Port size	1/8"G		1/4"G		3/8"G
Valve type	5 port 2 position				
Lubrication	Not required				
Operating pressure	0~8bar(0~114psi)				
Proof pressure	15bar(215psi)				
Temperature °C	-20~70				
Orifice size	12.0mm ² (Cv=0.67)	14.0mm ² (Cv=0.78)	16.0mm ² (Cv=0.89)	25.0mm ² (Cv=1.39)	30.0mm ² (Cv=1.67)
Material of body	Aluminum alloy				

Inner structure



No.	Item
(1)	Round head screw
(2)	Bottom cover
(3)	Body
(4)	Spool
(5)	O-ring
(6)	Spring
(7)	Stop screw
(8)	Spring base
(9)	Steel ball
(10)	Hexagon nut
(11)	Top cover
(12)	Safety nut
(13)	Hand grip

Dimensions



Model\Item	A1	A2	B	C	D	E	F	G	H	I	J	K	L	M	N	P
VL50A101	1/8"G	1/8"G	28	14.2	28.3	2	13	18	22	12	1	90	14	21.2	3.3	19
VL51A101	1/8"G	1/8"G	36	13.7	31.7	0	17	22	22	14	0.75	09	20	21.7	4.3	23.5
VL51A102	1/8"G	1/4"G	36	13.7	31.7	0	17	22	22	14	1	09	20	21.7	4.3	23.5
VL52A102	1/4"G	1/4"G	45	17.5	40	0	20	27	25	16	1	115	24	28	4.3	27.5
VL52A103	1/4"G	3/8"G	45	17.5	40	0	20	27	25	16	1	115	24	28	4.3	27.5

Model\Item	Q	R	S	T	U	V	W	X	Y
VL50A101	27	58	10	3.3	30	13.2	3	16	20.2
VL51A101	35	65	10	3.3	38	12.7	0	18	22.7
VL51A102	35	65	10	3.3	38	12.7	3	21	21.2
VL52A102	40	80.8	10	4.3	50	15	0	22	29
VL52A103	40	80.8	10	4.3	50	15	4	24	28