

Push-pull valve(5/2way)

4L Series

Specification

Model	4L110-06	4L210-06	4L210-08	4L310-08	4L310-10
Fluid	Air (to be filtered by 40 μ m filter element)				
Operating	Manual control direct acting type				
Port size ①	1/8"		1/4"		3/8"
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)
Valve type	5 port 2 position				
Lubrication ②	Not required				
Pressure range	0 ~ 0.8MPa(21~114Psi)				
Proof pressure	1.5MPa(215Psi)				
Temperature $^{\circ}$ C	-20~70				
Material of body	Aluminum alloy				

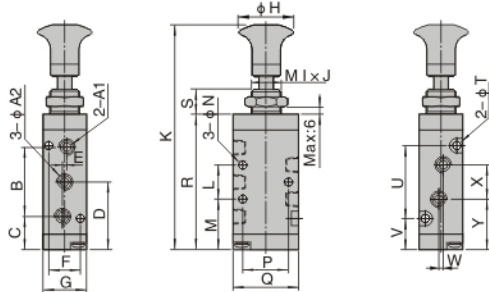
① PT thread, NPT thread and G thread are available;

② If add oil for lubrication, it is not allowed to stop midway. It is suggested to use ISO VG32 lubricant or the oil with the same grade.

Ordering code

Model	Code	Valve type	Port size	Thread type
4L: 5 port 2 position push-pull valve	1: 100 series 2: 200 series 3: 300 series	10: 2 position	06: 1/8" 08: 1/4" 10: 3/8"	P: PT T: NPT G: G

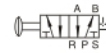
Dimensions



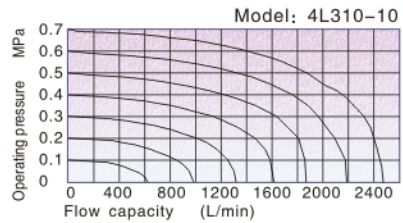
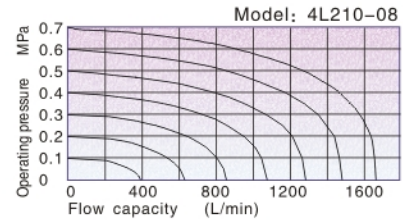
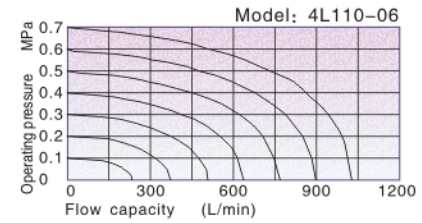
Item/type	4L110		4L210		4L310		Item/type	4L110		4L210		4L310	
	06	06	08	08	10	06		06	08	08	10	06	08
A1	1/8"	1/8"	1/8"	1/4"	1/4"	M	21.2	21.7	21.7	28	28		
A2	1/8"	1/8"	1/4"	1/4"	3/8"	N	3.3	4.3	4.3	4.3	4.3		
B	28	36	36	45	45	P	19	23.5	23.5	27.5	27.5		
C	14.2	13.7	13.7	17.5	17.5	Q	27	35	35	40	40		
D	28.2	31.7	31.7	40	40	R	58	65	65	80.8	80.8		
E	2	0	0	0	0	S	10	10	10	10	10		
F	13	17	17	20	20	T	3.3	3.3	3.3	4.3	4.3		
G	18	22	22	27	27	U	30	38	38	50	50		
H	22	22	22	25	25	V	13.2	12.7	12.7	15	15		
I	12	14	14	16	16	W	3	0	3	0	4		
J	0.75	1.0	1.0	1.0	1.0	X	16	18	21	22	24		
K	90	98	98	115	115	Y	20.2	22.7	21.2	29	28		
L	14	20	20	24	24								



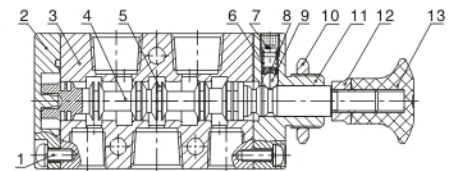
Symbol



Flow chart



Inner structure



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