

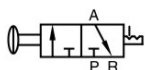
The M3L-Series 3/2 Push-pull valves may be used Lubrication free and be panel or surface mounted. The spool is held in the operated position by a mechanical detent mechanism.



Specification

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

Symbol

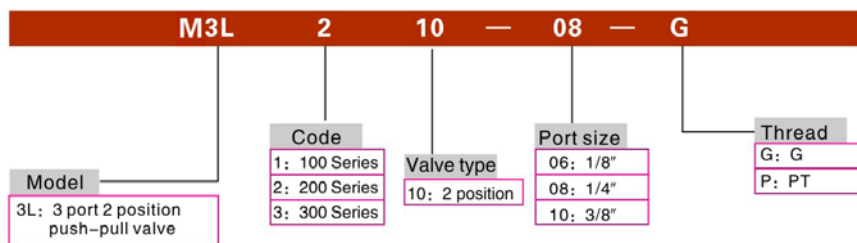


1. G (BSP) threads are standard (NPT threads are available as an option on request)
2. If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.

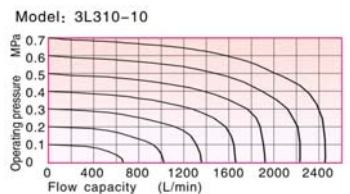
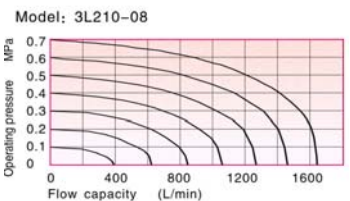
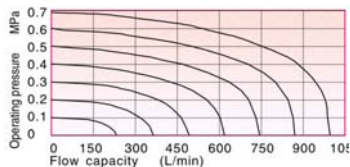
Product Features

1. A Push-pull valve with smooth actuation.
2. Spool type, with low leakage and low friction action.
3. The spool is held in position by a mechanical detent.
4. Special manufacturing techniques ensure low start pressure and long service life.
5. Maybe used lubrication free.
6. The valve range may be panel mounted or surface mounted.

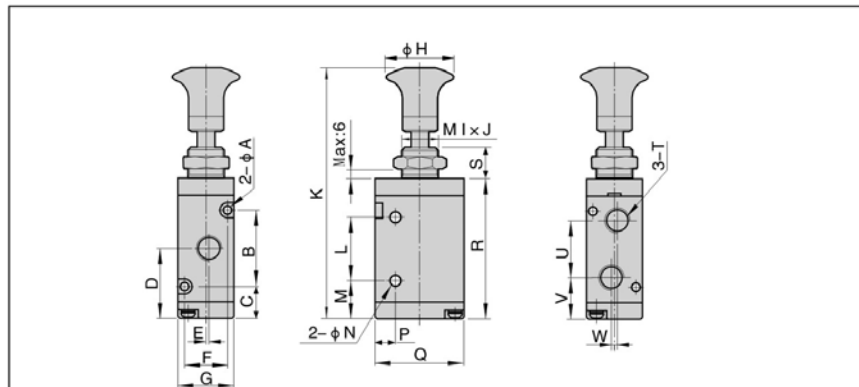
Model/Ordering Codes



Flow Charts

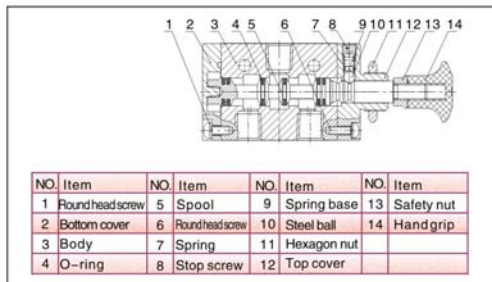


Dimensions



Item/Type	3L110			3L210			3L310			Item/Type	3L110			3L210			3L310					
	06	06	08	08	10	06	06	08	08		10	06	06	08	08	10	06	06	08	08	10	
A	3.3	3.3	3.3	4.3	4.3	L	21	25	25	30	30											
B	19	30	30	35	35	M	12.2	15.2	15.2	17.5	17.5											
C	13.2	12.7	12.7	15	15	N	3.3	4.3	4.3	4.3	4.3											
D	23.7	27.7	27.7	32.5	32.5	P	7.5	8	8	10	10											
E	1	0	1.5	0	2	Q	27	35	35	40	40											
F	13	17	17	20	20	R	47	57	57	65.8	65.8											
G	18	22	22	27	27	S	10	10	10	10	10											
H	22	22	22	25	25	T	1/8"	1/8"	1/4"	1/4"	3/8"											
I	12	14	14	16	16	U	16	22.5	22.5	24	24											
J	1.0	0.75	1.0	1.0	1.0	V	14.7	16.5	16.5	20.5	20.5											
K	79	90	90	100	100	W	2	0	0	0	0											

Inner Structure



OCT11/RWA