Direct Acting 2/3-Way Vacuum Solenoid Valve

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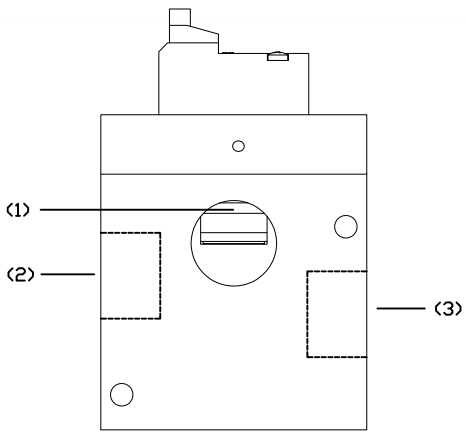
Introduction and application

- The valve is a 2/3-way pneumatically controlled cone valve with a normally open or closed type.
- This valve is commonly used in vacuum cut-off of feeders, suction-type stackers, robots, openers, etc. where it is necessary to react quickly between the suction in the line and the intake air,and can also be vacuum connect in the case of power loss or no air pressure.
- Since the valve can not normally change the hole position when the pressure difference is small, the valve cannot be used in the case of low vacuum.
- The valve has no friction and internal dynamic stress, and has a fast response speed and a long service life.

System Design Direct Acting 2/3-Way Vacuum Solenoid Valve MO



Design

- The body is made of aluminum alloy
- Solenoid valve controls piston action
- When the valve is used normally open, (1) is the vacuum pump interface, (2) is the pressure relief port, and (3) is the action port.
- When the valve is used as a normally closed, (1) is the pressure relief port, (2) is the vacuum pump interface, and (3) is the action port.

Ordering Data Direct Acting 2/3-Way Vacuum Solenoid Valve MO

Type	Ordering Data
MO G1/2 NC/NO	90.06.01.00025
MO G3/4 NC/NO	90.06.01.00026
MO G1 NC/NO	90.06.01.00027
MO G1 1/2 NC/NO	90.06.01.00028

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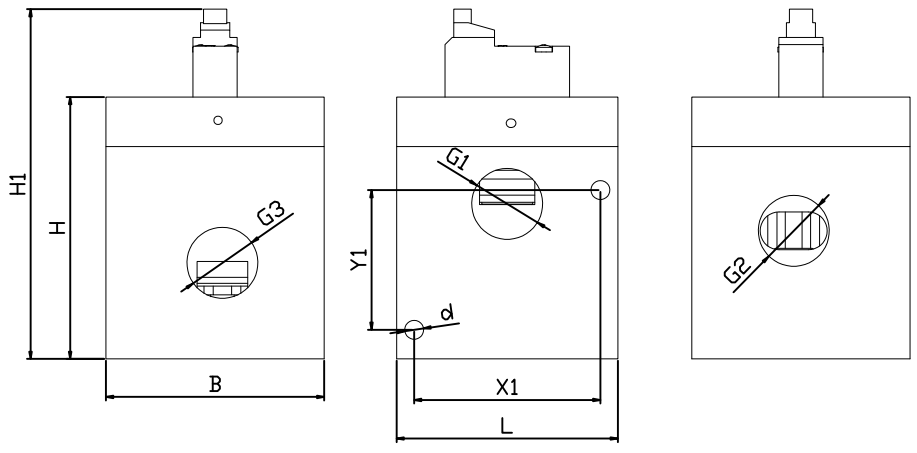
MO



Type	Dimensions[mm]									
	B	d	G1	G2	G3	H	H1	L	X1	Y1
MO G1/2 NC/NO	75	6.5	G1/2"-F	G1/2"-F	G1/2"-F	90	120.2	76	64	48
MO G3/4 NC/NO	75	6.5	G3/4"-F	G3/4"-F	G3/4"-F	90	120.2	76	64	48
MO G1 NC/NO	79	6.5	G1"-F	G1"-F	G1"-F	100	130.2	89	75	50
MO G1 1/2NC/NO	142	10.5	G1"1/2-F	G1"1/2-F	G1"1/2-F	170	200.2	170	94	–

Technical Data Direct Acting 2/3-Way Vacuum Solenoid Valve MO

Type	Maximum flow [cum/h]	Minimum vacuum [mbar abs]	Maximum vacuum [mbar abs]	Excitation reaction time [msec]	Degaussing reaction time [msec]	Bore diameter [mm]	Through hole area [mm²]	Weight [Kg]
MO G1/2 NC	20	850	0.5	30	15	15	176	1.53
MO G1/2 NO	20	850	0.5	20	18	15	176	1.53
MO G3/4 NC	40	850	0.5	30	15	20	314	1.5
MO G3/4 NO	40	850	0.5	20	18	20	314	1.5
MO G1 NC	90	850	0.5	38	18	25	490	1.91
MO G1 NO	90	850	0.5	25	20	25	490	1.91
MO G1 1/2 NC	180	850	0.5	75	50	40	1256	5.9
MO G1 1/2 NO	180	850	0.5	70	60	40	1256	5.9