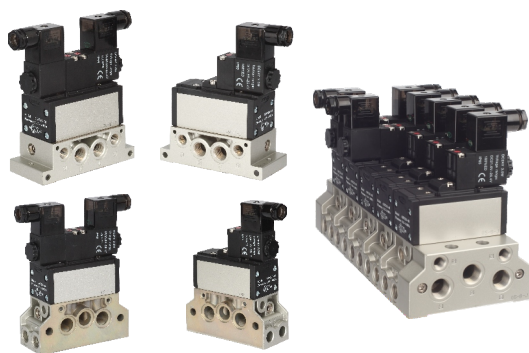


ISO Standard solenoid valve(5/2 way, 5/3 way)

ESV200, 300, 400, 600 Series



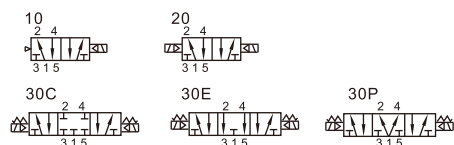
Specification

Model		200 Series	300 Series	400 Series	600 Series
Orifice size(Cv) mm ²		32(Cv=1.8)	42(Cv=2.32)	69(Cv=3.85)	108(Cv=6.0)
Fluid		Air(to be filtered by 40 μm filter element)			
Acting		Internal pilot or external pilot			
Lubrication [Note1]		Not required			
Operating	Internal pilot	0.2~1.0MPa(2~10bar)(29~145psi)			
Pressure	External pilot	0~1.0MPa(0~10bar)(0~145psi)			
Control pressure(External pilot)		0.2~1.0MPa(2~10bar)(29~145psi)			
Proof pressure		1.5MPa(15bar)(215psi)			
Temperature °C		-20~70			
Port size(manifold) [Note2]		1/4"	3/8"	1/2"	3/4"
Port size(end plate)		3/8"	1/2"	3/4"	1"
Voltage range		AC: ±15% DC: ±10%			
Power consumption		AC220V/AC110V: 4.5VA AC24V: 5.0VA DC24V/DC12V: 3.0W			
Activating time	10\20 Series	33\41ms	42\55ms	50\68ms	55\85ms
(0.5MPa)Open/close	30 CIEP Series	38\50ms	50\62ms	50\68ms	55\85ms
Insulation		B Class			
Protection		IP65			
Installation size		ISO5599-1 standard			

[Note1] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended;

[Note2] G thread is available.

Symbol



Product feature

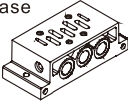
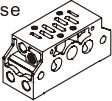
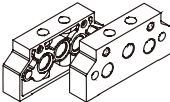
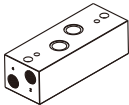
1. Succinct appearance and compact conformation.
2. The installation size conforms to ISO 5599/1 standard.
3. Because of the special seals, the feature are large flow rate and long lifetime.
4. For 200\300\400 series you can adjust the installation direction of the gasket to change the acting type: internal pilot, external pilot, or air control.
5. You need install the valve together with the sub-base. There are individual and parallel type for manifold sub-base.
6. There are various connection and installation method for manifold. It is easy to use.
7. The manifold of 200\300\400 series have the function of exhaust throttling, so not need to connect another throttle valve.

Ordering code

Ordering code of manifold

ESV 20 1M G □ □

1 2 3 4 5 6

① Model	② Code	③ Manifold type	④ Thread type	⑤ External pilot port type	⑥ Port position type
ESV: ISO standard solenoid valve	20: 200 Series 30: 300 Series 40: 400 Series 60: 600 Series	1M: Individual sub-base 	G: G Thread	Blank: Individual pilot port	Blank: Side port B: Bottom port
		2M: Manifold sub-base 		Blank: Individual pilot port W: Centralized pilot port	Blank: Left side port R: Right side port B: Bottom port
		3M: End plate kit 		No this code	No this code
	60: 600 Series	4M: Side port block 		No this code	Blank: Left side port R: Right side port

[Note] 1. For the same model, the port size of the end-plate is bigger than the sub-base (For example ESV202M, the port size of sub-base is 1/4", and the port size of end plate is 3/8").

2. Only individual pilot port is available for individual sub-base.

3. The manifold sub-base must be used with end plate kit, individual pilot port and centralized pilot port can be mixed.

4. 600 series individual sub-base only has side port, 600 series manifold sub-base only has individual pilot port and bottom port.

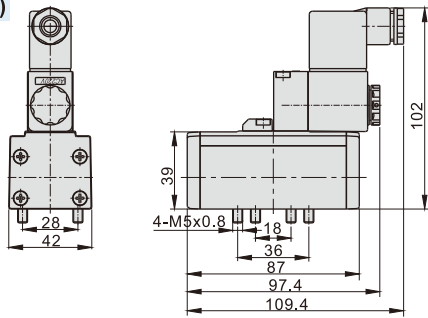
5. Only 600 series have side port block.

ISO Standard solenoid valve(5/2 way, 5/3 way)

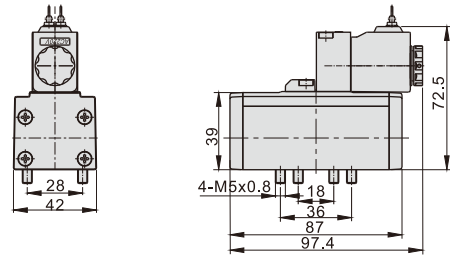
ESV200, 300, 400, 600 Series

Dimensions(ESV200 Series)

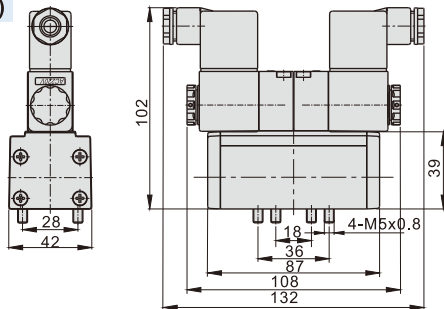
ESV210 (Terminal)



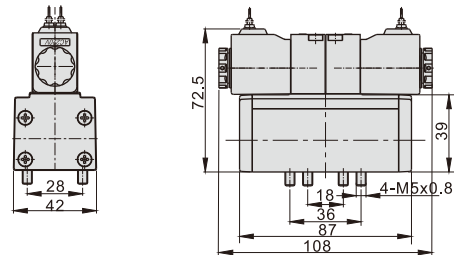
ESV210 (Grommet)



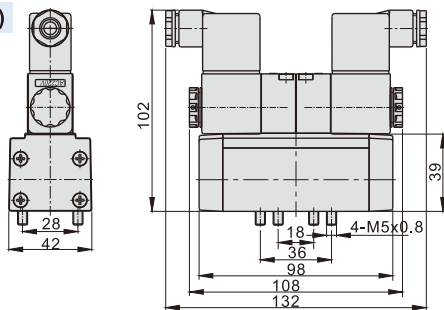
ESV220(Terminal)



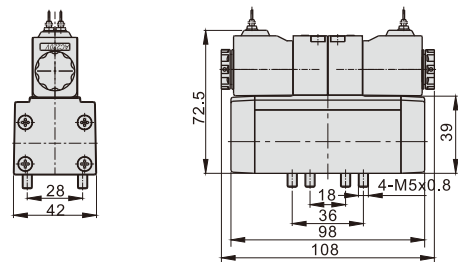
ESV220(Grommet)



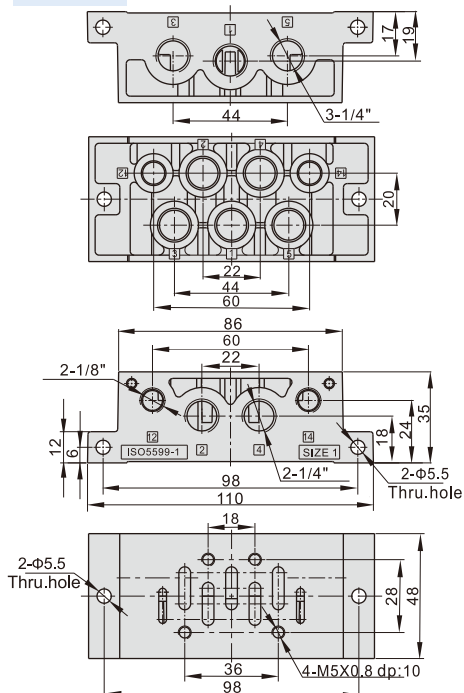
ESV230(Terminal)



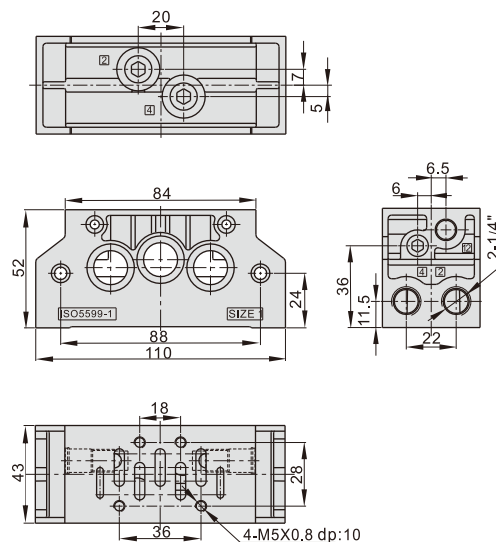
ESV230(Grommet)



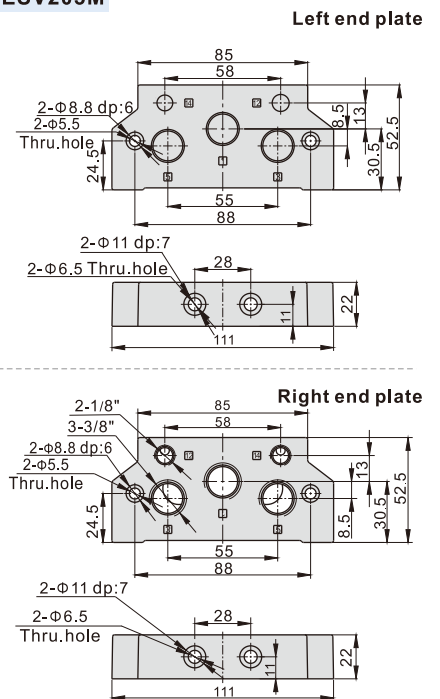
ESV201M



ESV202M



ESV203M

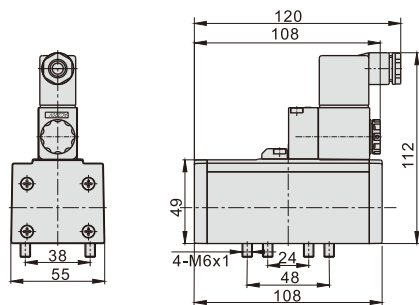


ISO Standard solenoid valve(5/2 way, 5/3 way)

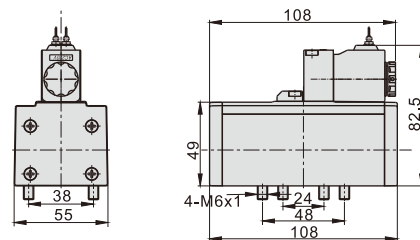
ESV200, 300, 400, 600 Series

Dimensions(ESV300 Series)

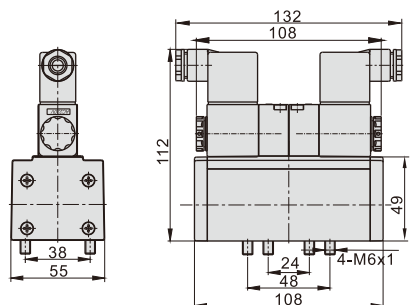
ESV310(Terminal)



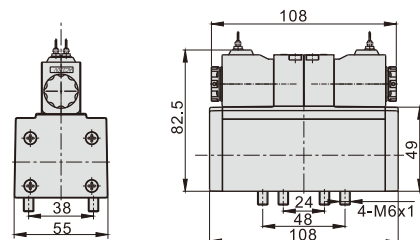
ESV310 (Grommet)



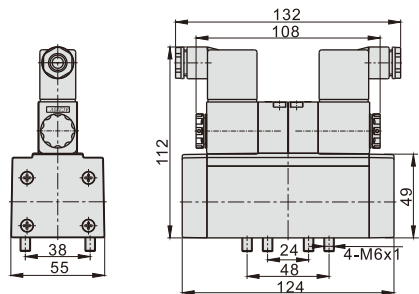
ESV320(Terminal)



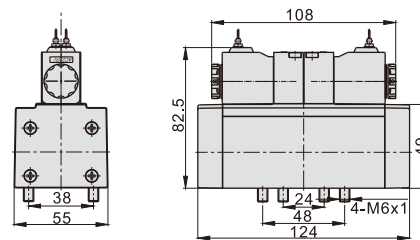
ESV320 (Grommet)



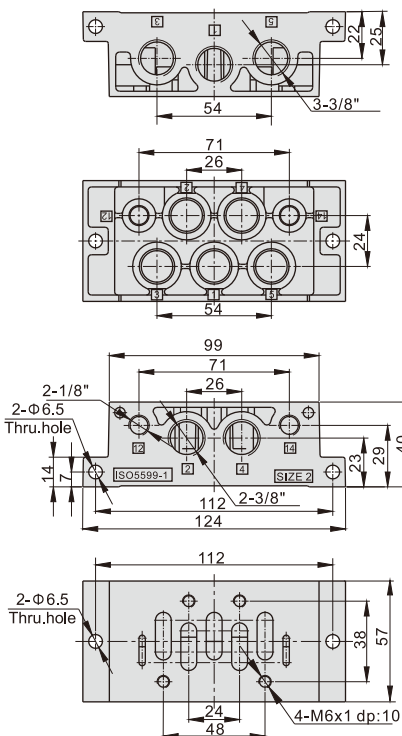
ESV330(Terminal)



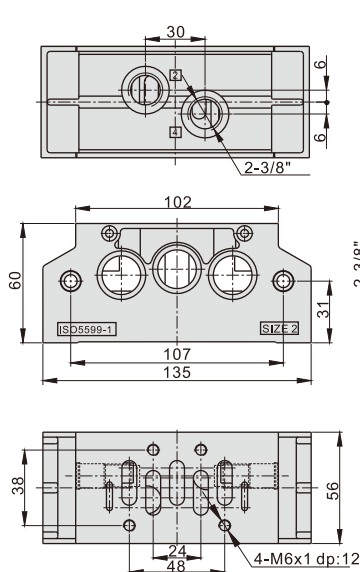
ESV330 (Grommet)



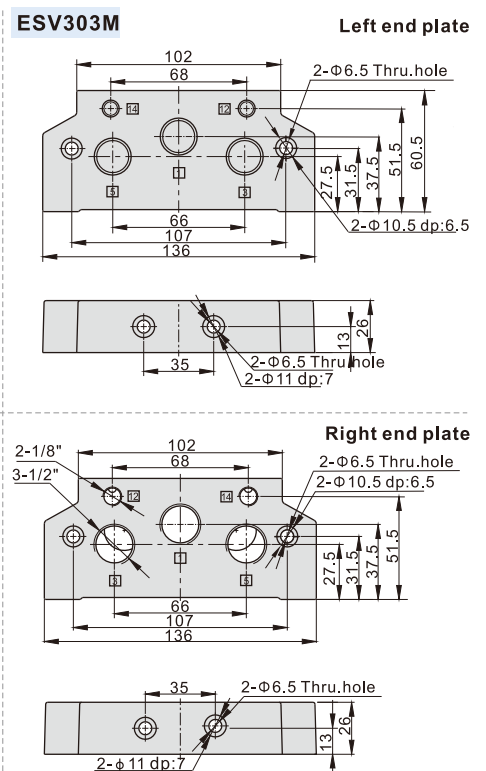
ESV301M



ESV302M



ESV303M

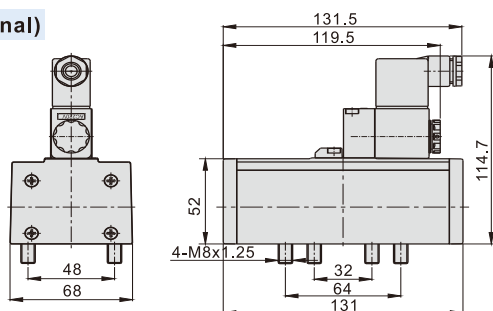


ISO Standard solenoid valve(5/2 way, 5/3 way)

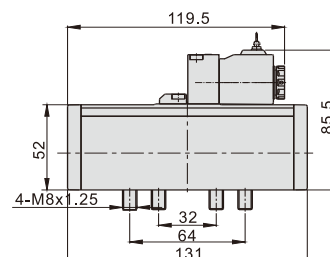
ESV200, 300, 400, 600 Series

Dimensions(ESV400 Series)

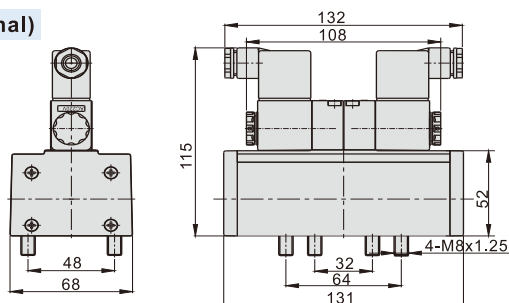
ESV410 (Terminal)



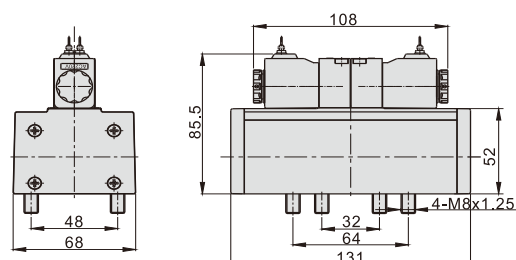
ESV410 (Grommet)



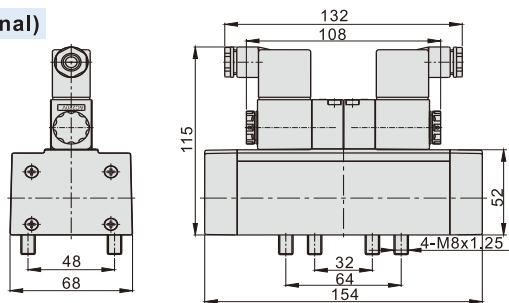
ESV420 (Terminal)



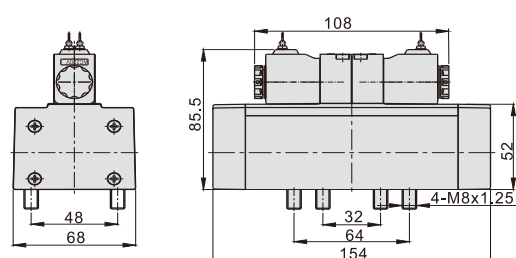
ESV420 (Grommet)



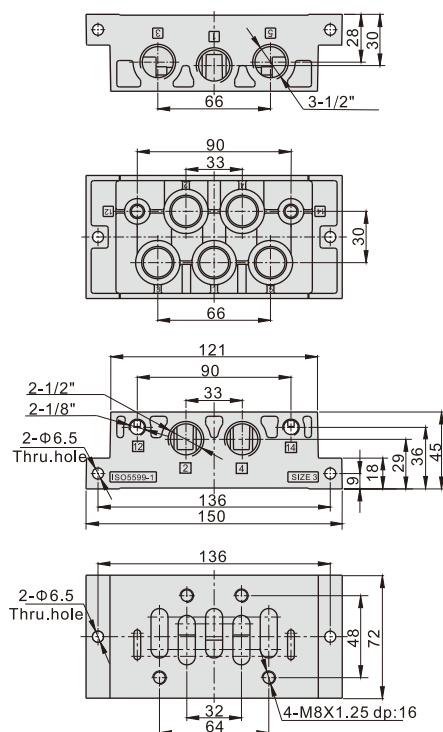
ESV430 (Terminal)



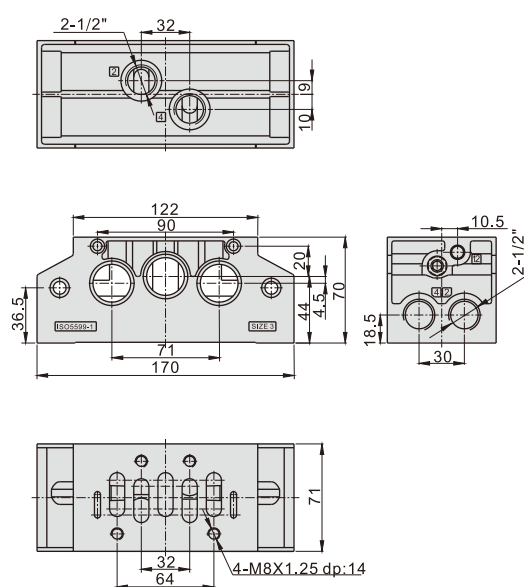
ESV430 (Grommet)



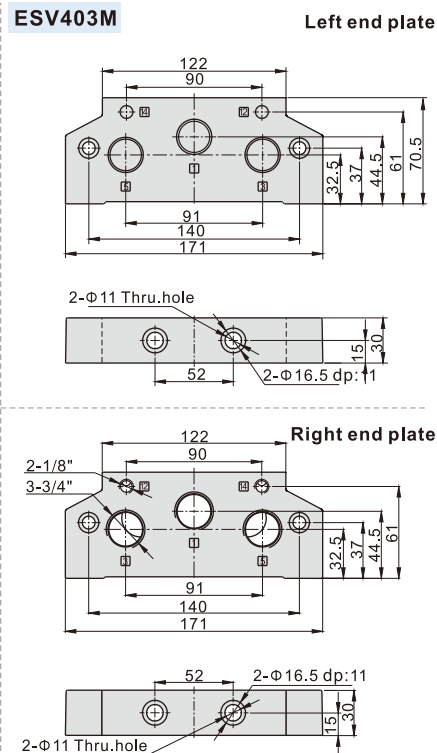
ESV401M



ESV402M



ESV403M

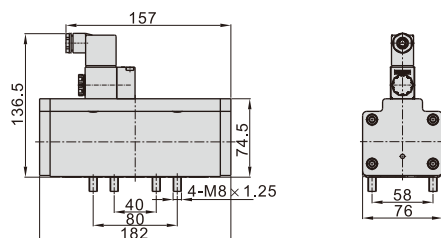


ISO Standard solenoid valve(5/2 way, 5/3 way)

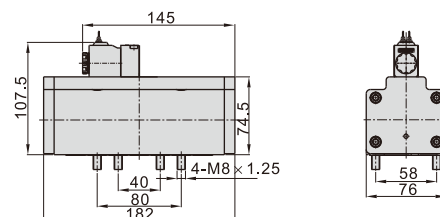
ESV200, 300, 400, 600 Series

Dimensions(ESV600 Series)

ESV610 (Terminal)

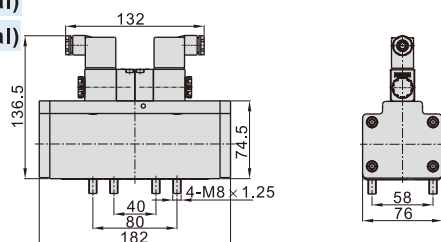


ESV610 (Grommet)



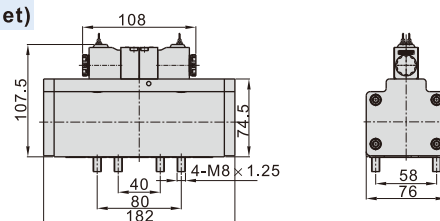
ESV620 (Terminal)

ESV630 (Terminal)

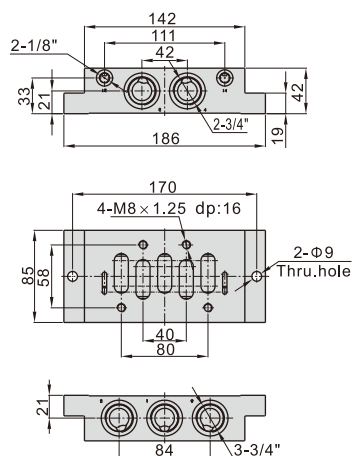


ESV620 (Grommet)

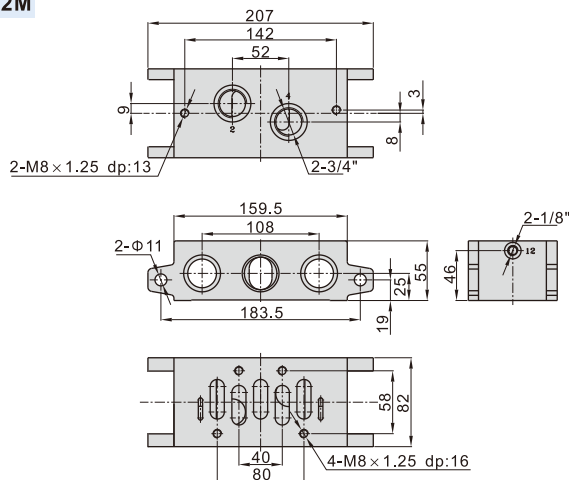
ESV630 (Grommet)



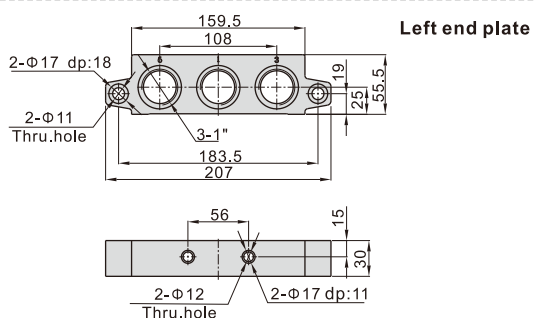
ESV601M



ESV602M



ESV603M



ESV604M

