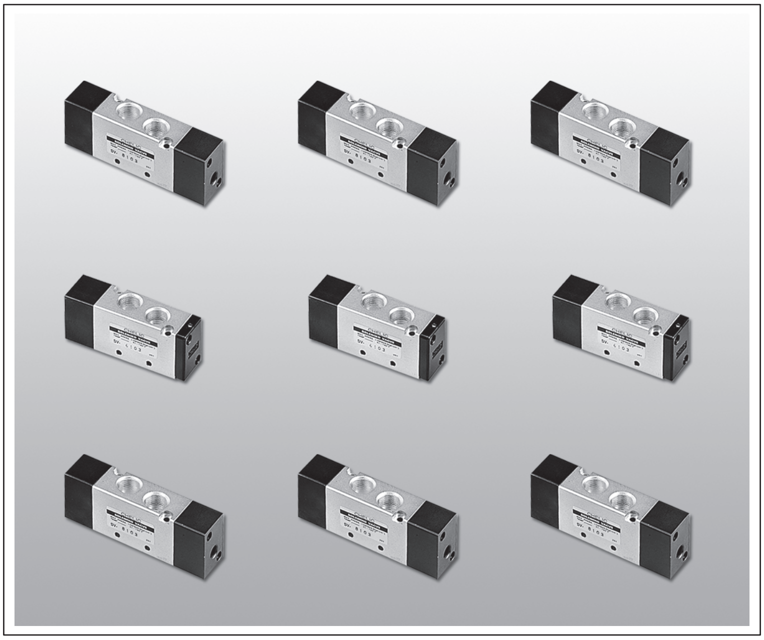
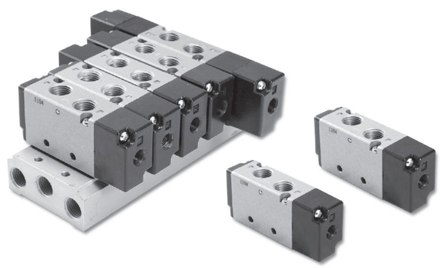
Directional control — Air Operated Valve

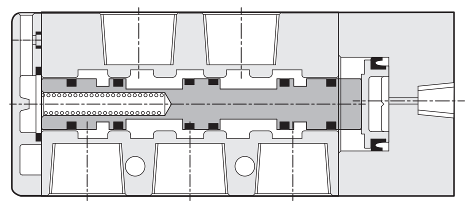
PV500, PV600, PV800, PV900 Air operated valve



Provide CAD external dimension.



Internal structure



Specification

Item \ Model	PV-500	PV-600	PV-800	PV-900
Fluid	Air			
Pressure range kgf/cm²(kPa)	0 ~ 7 (0 ~ 700)			
Pilot pressure range kgf/cm²(kPa)	1.5 ~ 7 (150 ~ 700)			
Ambient and fluid temperature °C	5 ~ 50			
Pilot type	Air operated			
Number of positions	5/2-position, 5/3-position			
Type of actuation	Single/double; Closed/Exhaust/Pressure center for 5/3-position only			
Effective orifice mm²(CV)	12 (0.67)	14 (0.78)	18 (1.0)	50 (2.78)
Port size	Rc 1/8	Rc 1/8, 1/4	Rc 1/4, 3/8	Rc 1/2
Lubrication	Lubrication free type			

Code of order

PV — 6 — 1 — 0 — 02 — NC — M 2

PV series: Pilot valve

Model
- 5: 500 series
- 6: 600 series
- 8: 800 series
- 9: 900 series

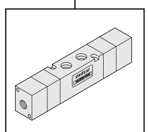
Coil q'ty
- 1: Single
- 2: Double

Positions
- 0: 2 Pos.
- 3: 3 Pos.

Port size

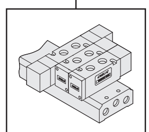
Mark	Thread	Model 500	600	800	900
01	1/8	●	●	—	—
02	1/4	—	●	●	—
03	3/8	—	—	●	—
04	1/2	—	—	—	●

Type of actuation



None: 5/2-position
NC: Closed center
NF: Exhaust center
NO: Pressure center

Manifold



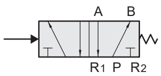
None: Without manifold
M2 = 2 sets
M3 = 3 sets
⋮
M12 = 12 sets

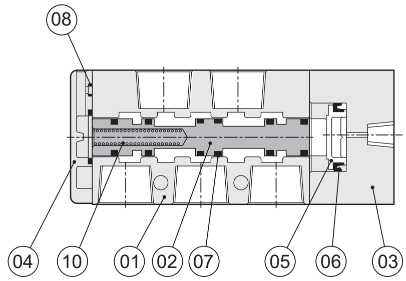
- PV 500 series Max. Manifolds: M10
- PV 600 series Max. Manifolds: M12
- PV 800 series Max. Manifolds: M12
- PV 900 series Max. Manifolds: M5

PV series Air Operated Valve

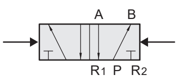
Product features

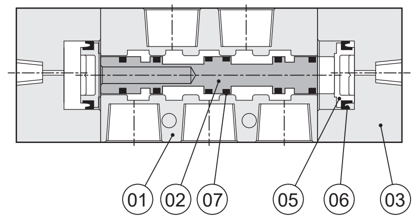
- 5 port 2-position single



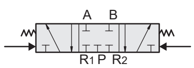


- 5 port 2-position double

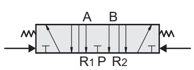




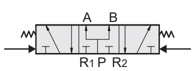
- 5 port 3-position double



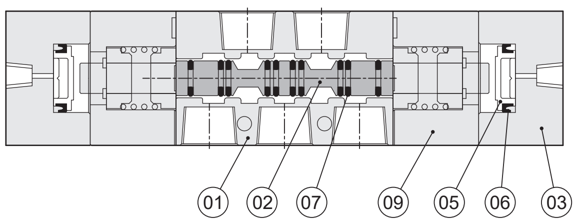
(Closed center N.C.)



(Exhaust center N.F.)



(Pressure center N.O.)



Components and Material list

No.	Item	Material	No.	Item	Material
01	Body	Aluminum alloy	06	Holder piston packing	NBR
02	Shaft	Aluminum alloy	07	Spool packing	NBR
03	Holder	POM	08	Rear cover O-ring	NBR
04	Rear cover	POM	09	Mechanical holder	Aluminum alloy
05	Holder piston	POM	10	Spool packing	NBR

Note: The main body has been treated with painting.

Packing and O-Ring material list

Item	Pinston packing	Holder O-ring	Manual rod O-Ring	Rear cover O-Ring
Model \ Quantity	1	1	1	1
PV 500	—	—	Ø2XØ1	—
PV 600	MYA-14	Ø2XØ1.5	Ø2XØ1	Ø17.5XØ1.5
PV 800	MYA-18	Ø2XØ1.5	Ø2XØ1	Ø19.5XØ1.5
PV 900	Z8-2822	Ø3.5XØ1.5	Ø2XØ1	Ø22.8XØ1.58

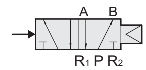
Note: Piston packing and rod packing all adopt import parts (MITSUBISH, SAKAGAHI, and same grade).

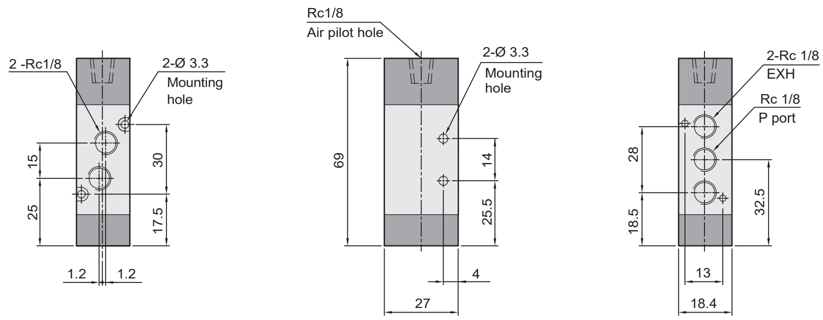
PV 500 series Air Operated Valve

Dimensions

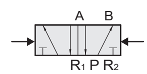
CHELIC

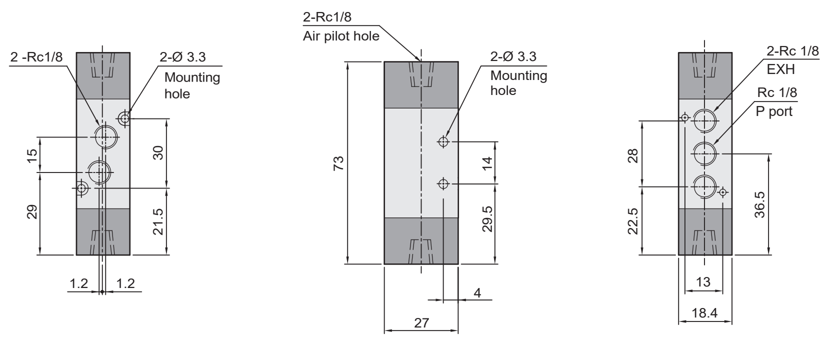
PV - 5101 series
5 port 2-position single



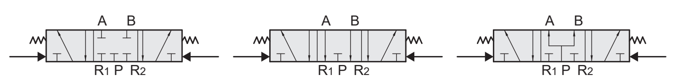


PV - 5201 series
5 port 2-position double

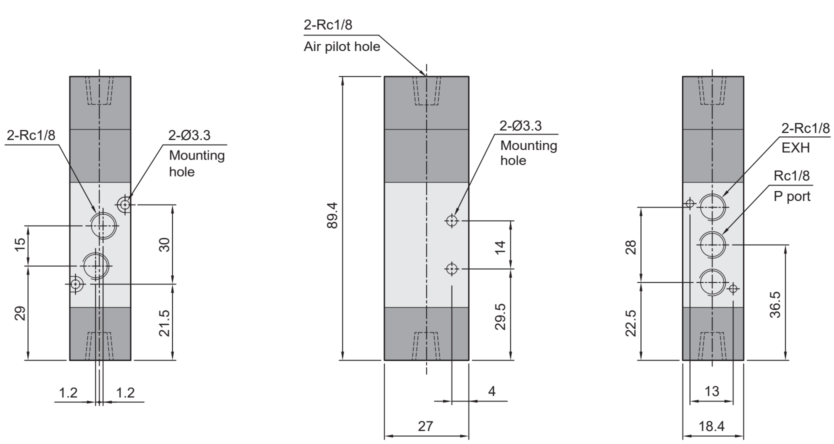




PV - 5231 series
5 port 3-position double

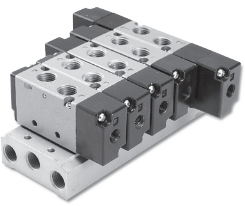


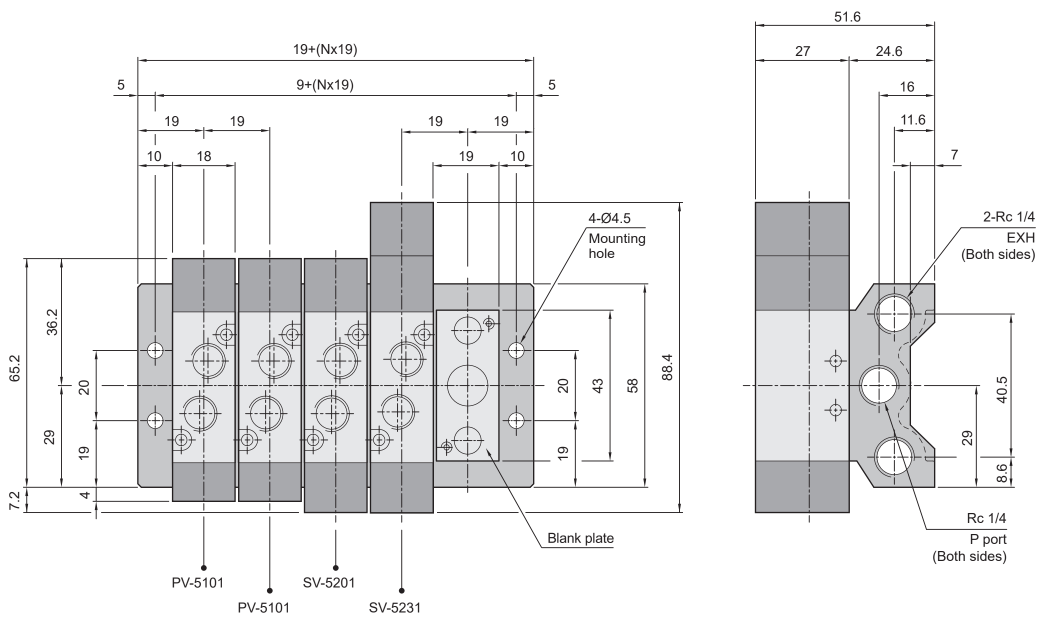
PV-5231- NC (Closed center) N.C. PV-5231- NF (Exhaust center) N.F. PV-5231- NO (Pressure center) N.O.



PV - 500 series

Manifold dimension



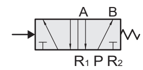


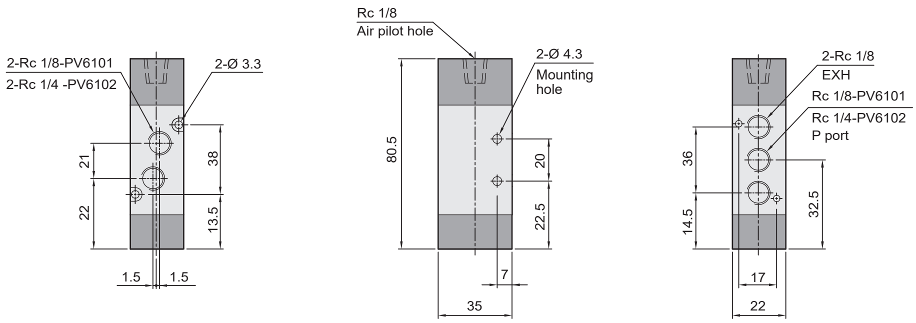
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

PV 600 series Air Operated Valve

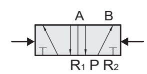
Dimensions

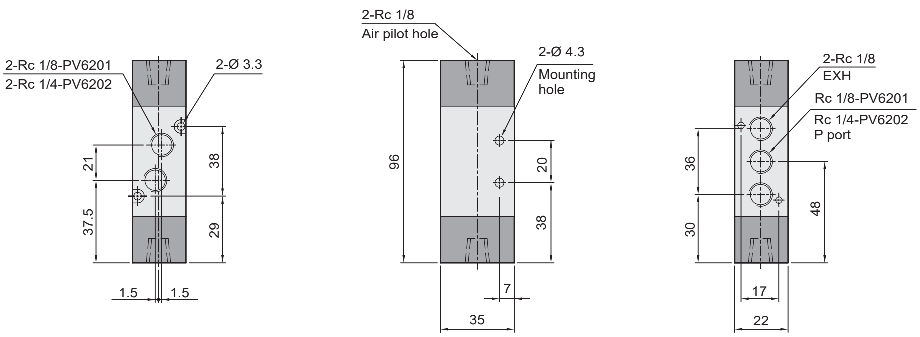
PV - 6101 series
PV - 6102 series
5 port 2-position single



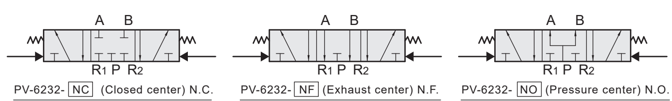


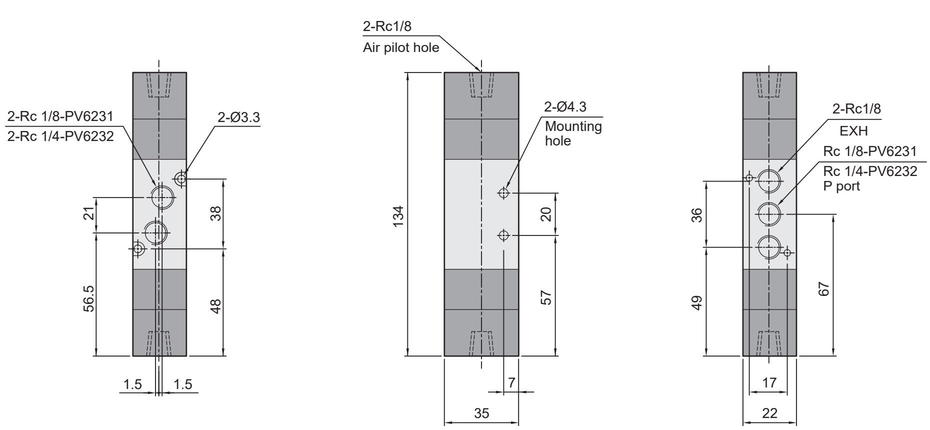
PV - 6201 series
PV - 6202 series
5 port 2-position double





PV - 6231 series
PV - 6232 series
5 port 3-position double





PM

PMB

PMU

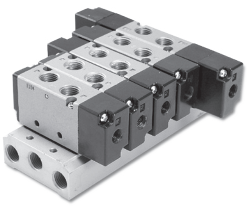
PMUB

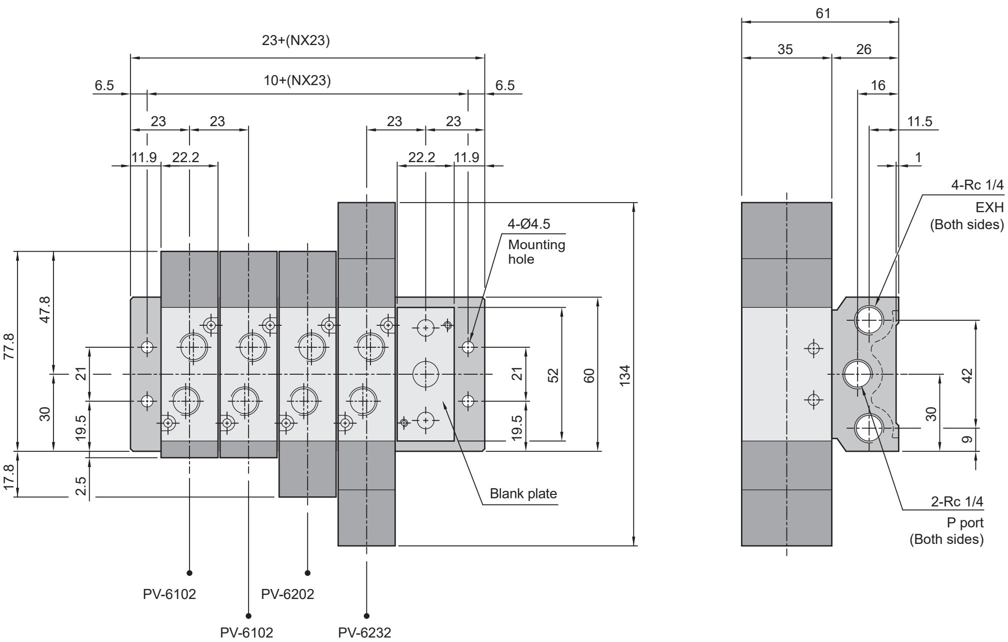
PV

PN

PV - 600 series

Manifold dimension





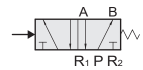
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

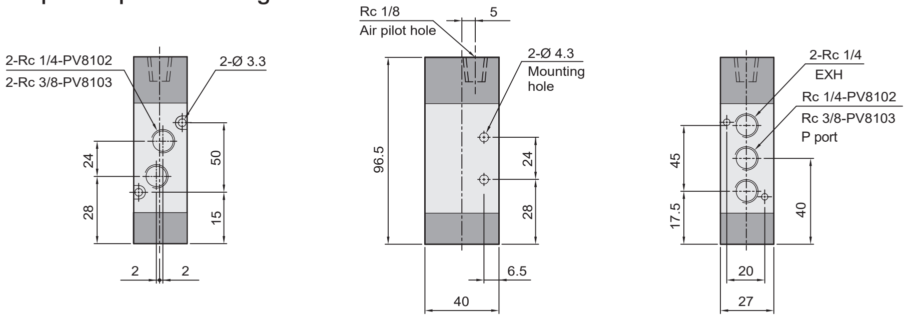
PV 800 series Air Operated Valve

Dimensions

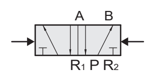
CHELIC

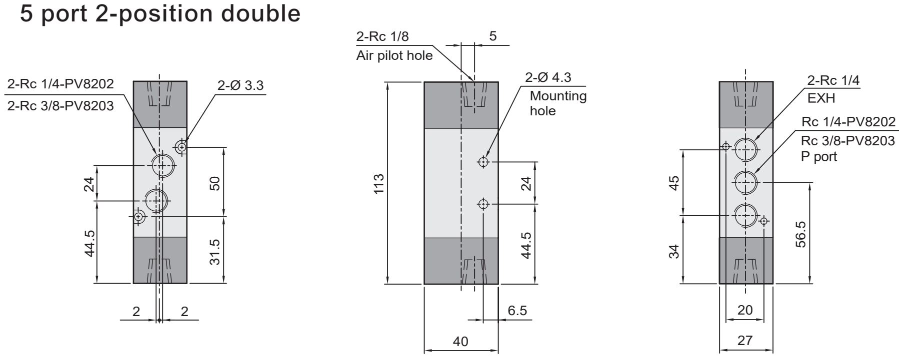
PV - 8102 series
PV - 8103 series
5 port 2-position single

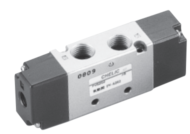




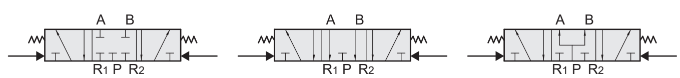
PV - 8202 series
PV - 8203 series
5 port 2-position double



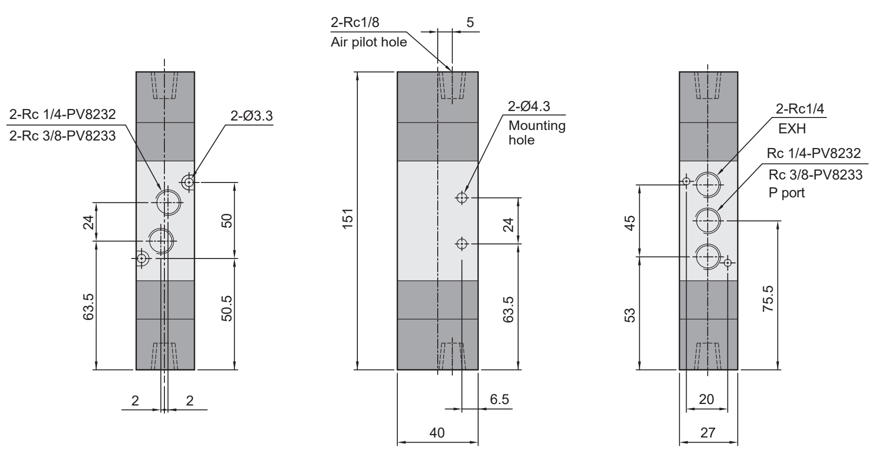




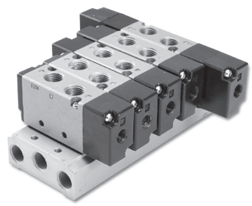
PV - 8232 series
PV - 8233 series
5 port 3-position double

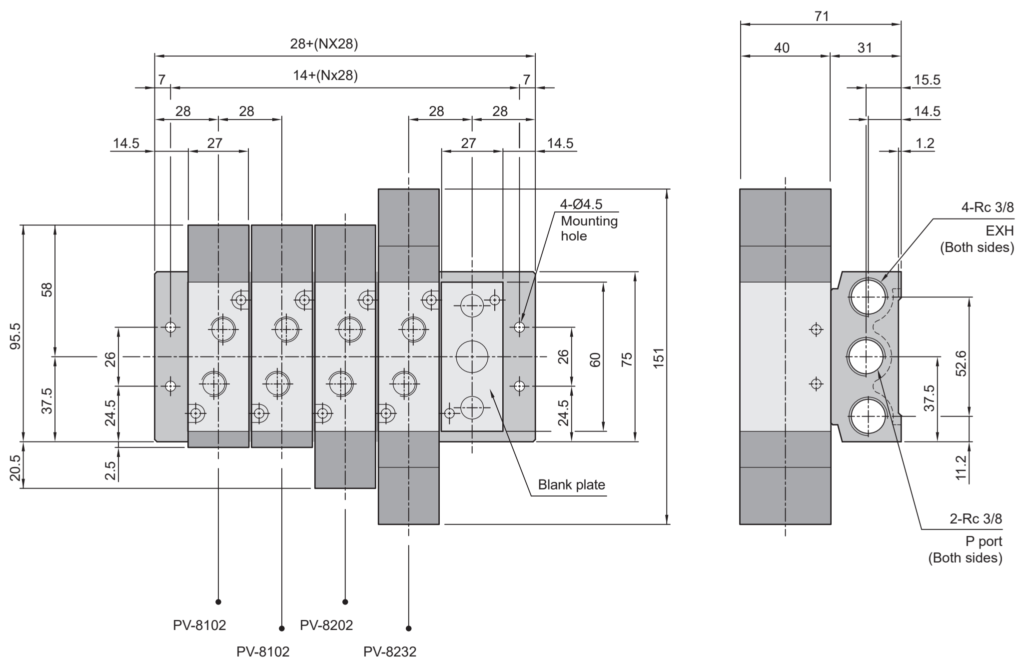


PV-8232- NC (Closed center) N.C. | PV-8232- NF (Exhaust center) N.F. | PV-8232- NO (Pressure center) N.O.



PV - 800 series
Manifold dimension



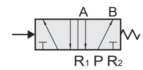


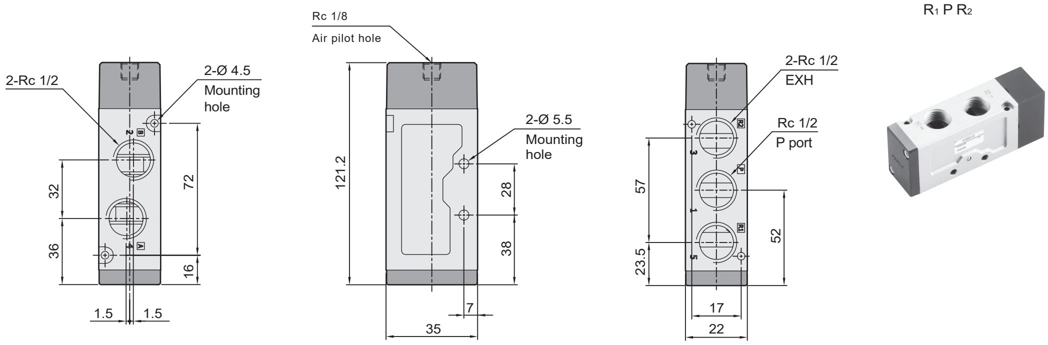
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

PV 900 series Air Operated Valve

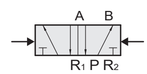
Dimensions

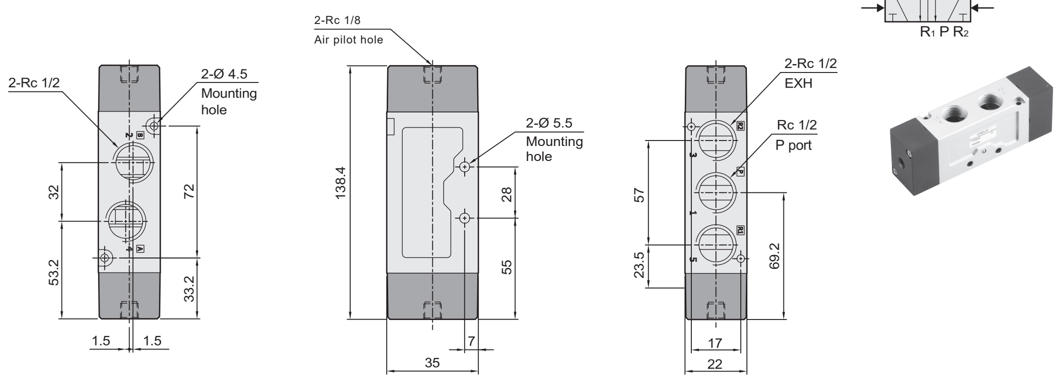
PV - 9104 series
5 port 2-position single



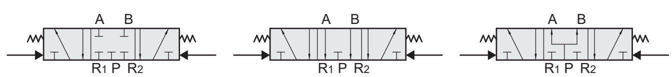


PV - 9204 series
5 port 2-position double

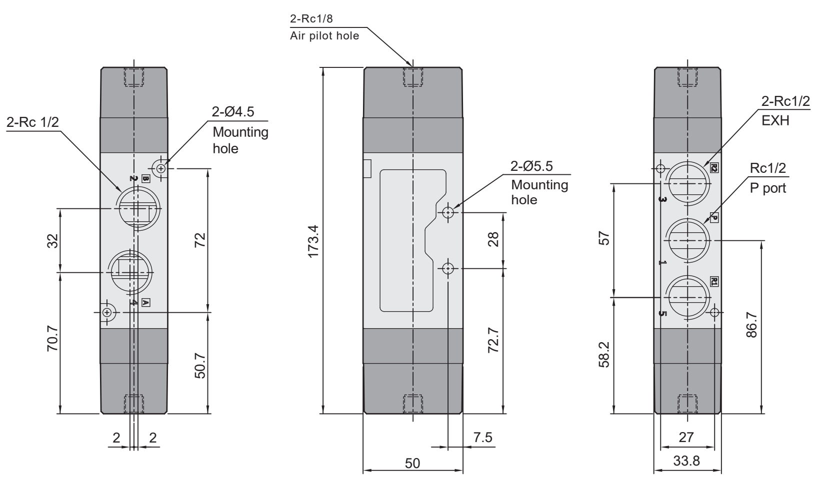




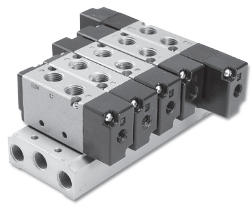
PV - 9234 series
5 port 3-position double

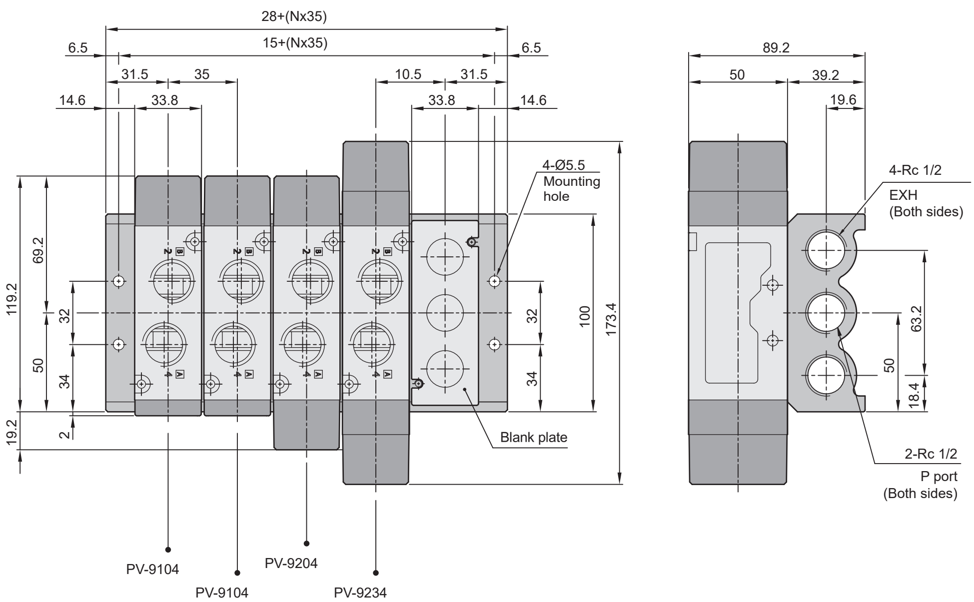


PV-9234- NC (Closed center) N.C. PV-9234- NF (Exhaust center) N.F. PV-9234- NO (Pressure center) N.O.



PV - 900 series
Manifold dimension





- Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.
- PV900 series, Max. Manifolds: M5