SXC series Body Ported Solenoid Valve

Product features

CHELIC

Feature

- Pilot mode: Options for internal guide or external guide.
- Sliding column structure, good sealing, and sensitivity.
- Three position solenoid valve are available with three central functions.
- Double-head two position solenoid valve with memory function.
- Multiple standard voltage levels are available.

Specification

Item \ Model	SXC 510 / SXC 520	SXC 523	SXC 610 / SXC 620	SXC 623	SXC 810 / SXC 820	SXC 823	SXC 910 / SXC 920	SXC 923
Fluid	Air							
Pressure range kgf / cm² (kPa)	1.5 ~ 8 (150 ~ 800)							
Ambient and fluid temperature °C	5 ~ 60							
Pilot type	Air operated							
Number of positions	5/2	5/3	5/2	5/3	5/2	5/3	5/2	5/3
5/3-position type of actuation	Closed center, Exhaust center, Pressure center							
Effective orifice mm²(CV)	12 (0.67)		16 (0.89)		30 (1.68)		50 (2.78)	
Manual override	Push-turn and lock							
Port size	G 1/8		G 1/4		G 3/8		G 1/2	
Lubrication	Lubrication free type							

Note: Custom made for NPT thread type.

Code of order

SXC 6 10 2 – D2 – KL – □ – M2

1 2 3 4 5 6 7

1

Mark	Model	Mark	Model
5	500 series	8	800 series
6	600 series	9	900 series

2

Mark	Coil q'ty	Number of positions
10	Single coil	5/2-position
20	Double coil	
23	Double coil	5/3-position

3

Thread type		
Mark	Port size	Model
1	G 1/8	SXC 500
2	G 1/4	SXC 600
3	G 3/8	SXC 800
4	G 1/2	SXC 900

4

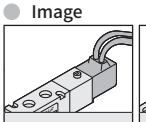
Mark	Voltage type	Model
D2	24V DC / 2.4W	SXC 500
	24V DC / 3W	SXC 600, SXC 800, SXC 900
A1	110V AC / 3VA	SXC 500
	110V AC / 5VA	SXC 600, SXC 800, SXC 900
A2	220V AC/ 3.6VA	SXC 500
	220V AC/ 5VA	SXC 600, SXC 800, SXC 900

5

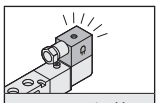
Mark	Electrical entry
W	Grommet
KL	DIN terminal box with indicator light

- W type for standard voltage only
- KL type for ISO standard socket with AC and DC indicator light (clear case)

Image



W: Grommet



KL: DIN terminal box with indicator light

6

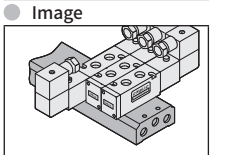
Mark	Valve type
NC	Closed center
NF	Exhaust center
NO	Pressure center

- NC/NF/NO 5/3-position only

7

Mark	Manifold
None	Without manifold
M2	2 Sets
M3	3 Sets
⋮	⋮
M12	12 Sets

Image

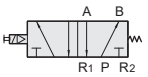


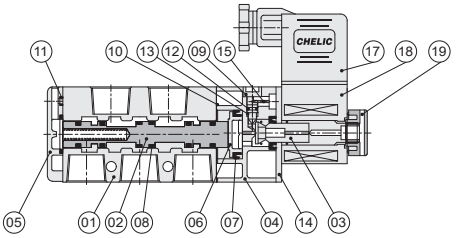
M3: 3Sets

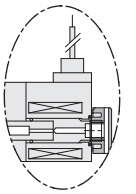
- SXC 500 Max. manifolds M10
- SXC 600 Max. manifolds M12
- SXC 800 Max. manifolds M12
- SXC 900 Max. manifolds M5

Internal structure

5 port 2-position single

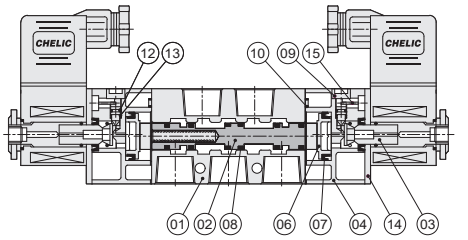




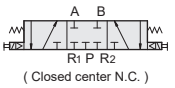


- W Grommet

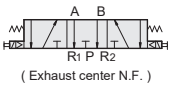
5 port 2-position double



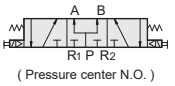
5 port 3-position double



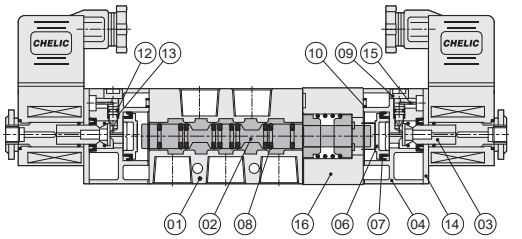
(Closed center N.C.)



(Exhaust center N.F.)



(Pressure center N.O.)



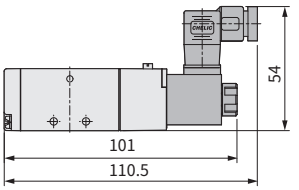
Components and material list

No.	Item	Material	No.	Item	Material
01	Body	Aluminum alloy	11	Rear cover O-Ring	NBR
02	Shaft	Aluminum alloy	12	Manual override O-Ring	NBR
03	Copper tube	Copper	13	Manual override spring	Stainless steel
04	Holder	POM	14	Holder fixing piece	Iron
05	Rear cover	POM	15	Position iron plate	Iron
06	Holder piston	POM	16	Mechanical holder	Aluminum alloy
07	Holder piston packing	NBR	17	DIN connector	Resin
08	Spool packing	NBR	18	Coil	—
09	Manual override	POM	19	Coil screw cap	POM
10	Holder O-Ring	NBR			

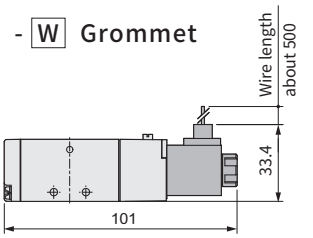
Note: The main body has been treated with painting.

500 series Coil operated type

- -[K]-[L] DIN terminal box with indicator light

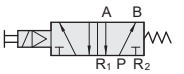


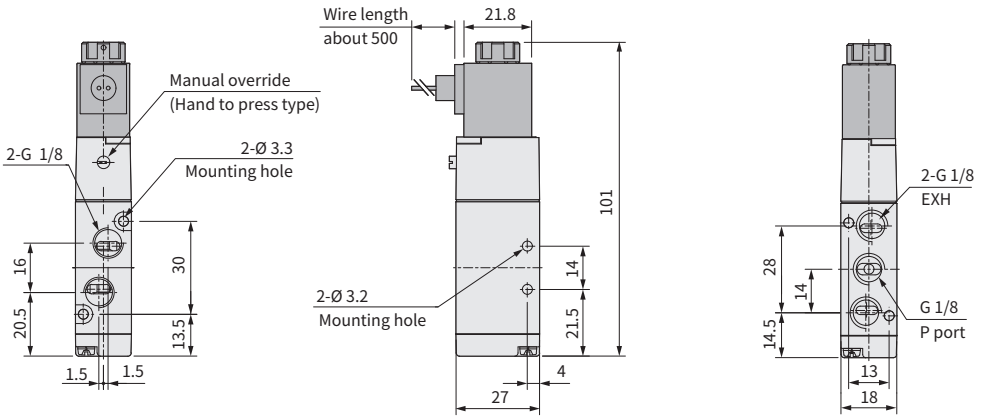
- -[W] Grommet



SXC 5101

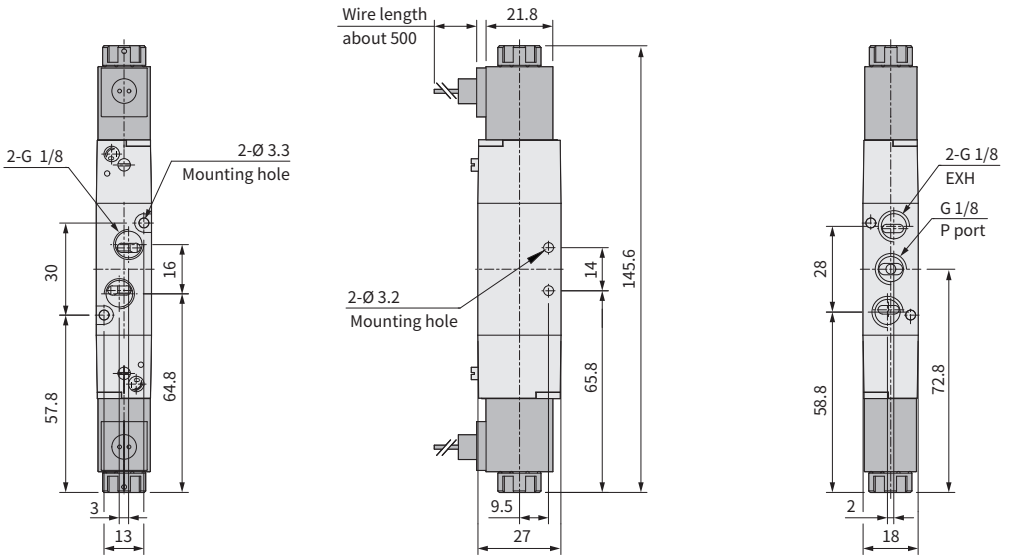
- 5 port 2-position single





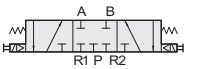
SXC 5201

- 5 port 2-position double

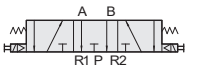


SXC 5231 - ▭

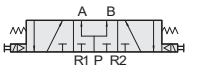
- 5 port 3-position double



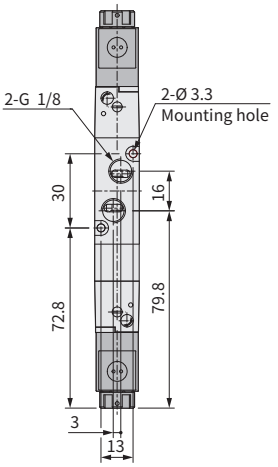
SXC 5231 (Closed center) N.C.

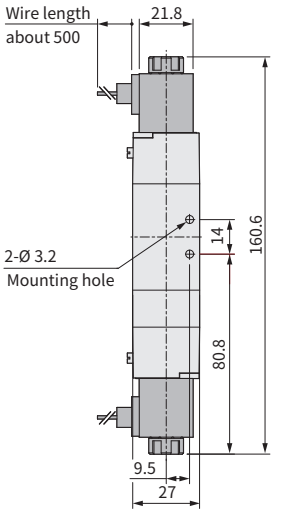


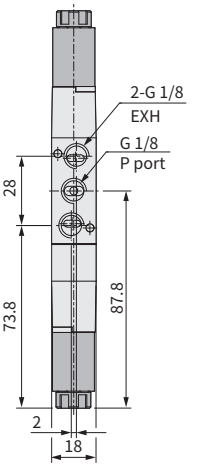
SXC 5231 (Exhaust center) N.F.



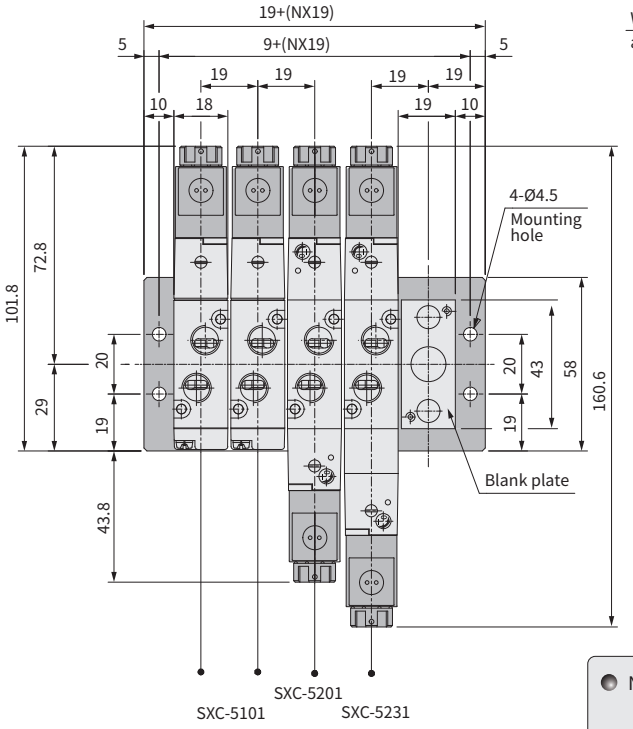
SXC 5231 (Pressure center) N.O.

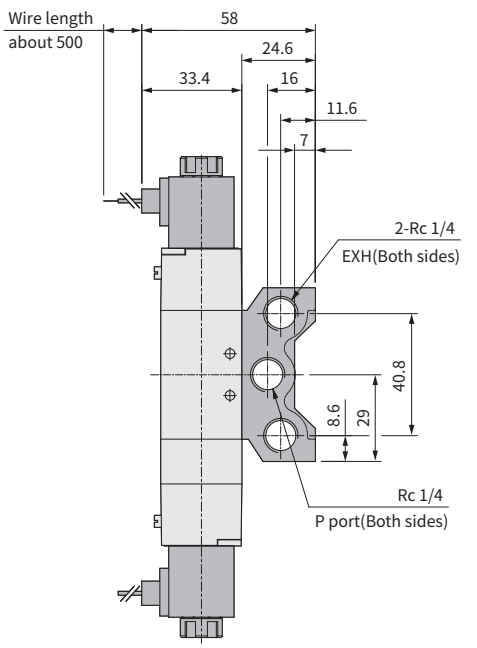






SXC 500 series Manifold dimension

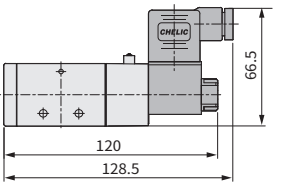




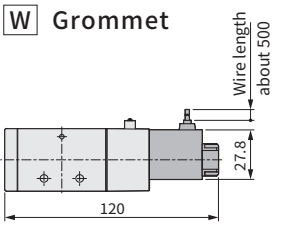
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

600 series Coil operated type

- -K-L DIN terminal box with indicator light

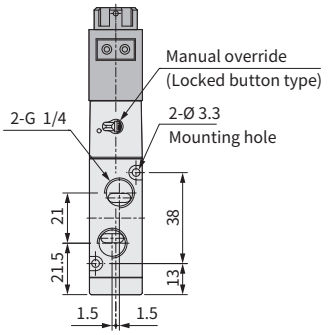


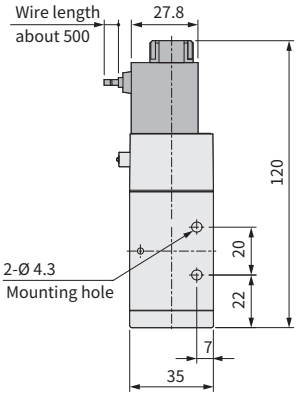
- -W Grommet

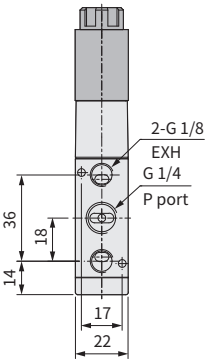


SXC 6102

5 port 2-position single

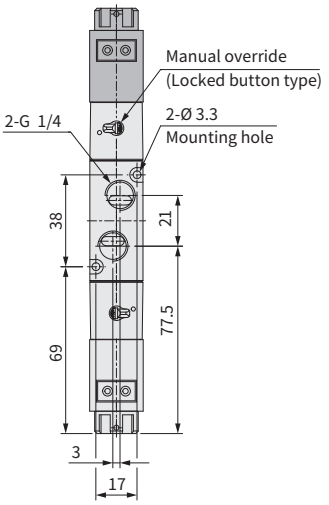


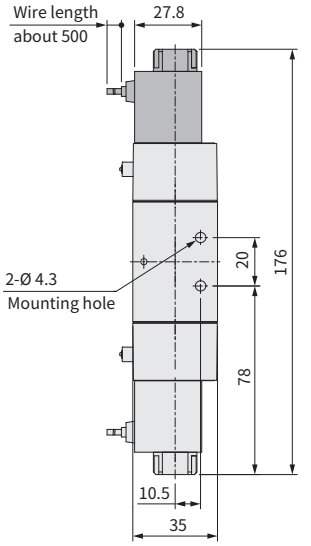


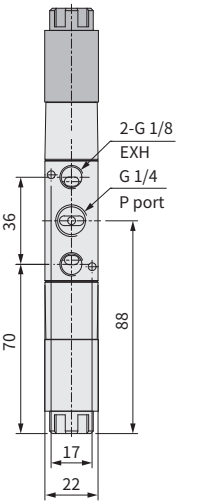


SXC 6202

5 port 2-position double

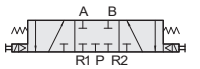




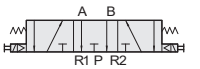


SXC 6232 - ▭

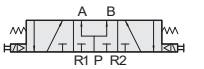
- 5 port 3-position double



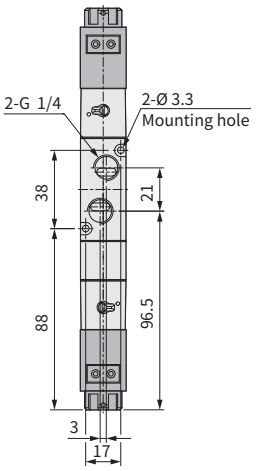
SXC 6232 (Closed center) N.C.

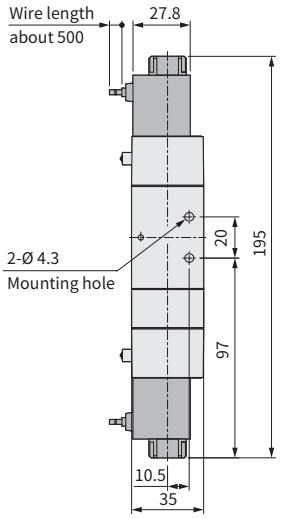


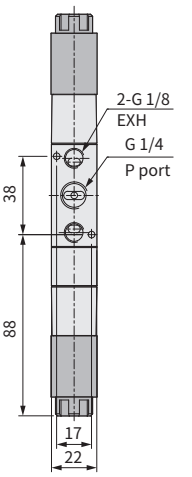
SXC 6232 (Exhaust center) N.F.



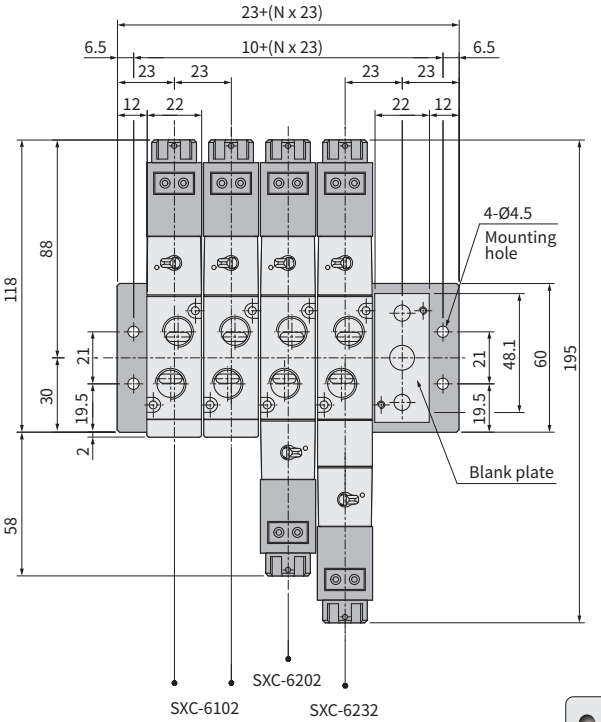
SXC 6232 (Pressure center) N.O.

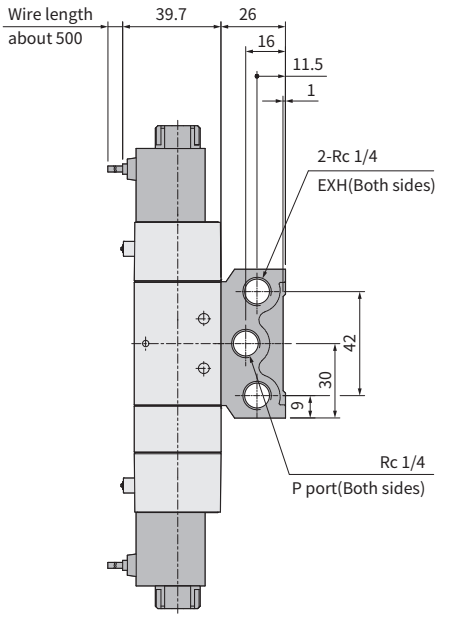






SXC 600 series Manifold dimension

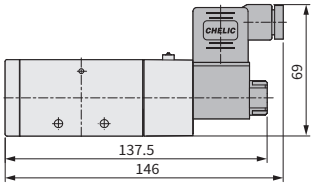




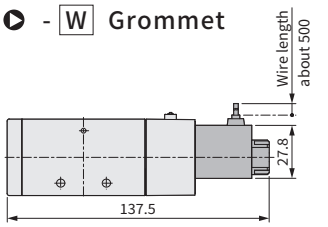
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

800 series Coil operated type

- -K-L DIN terminal box with indicator light

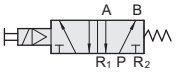


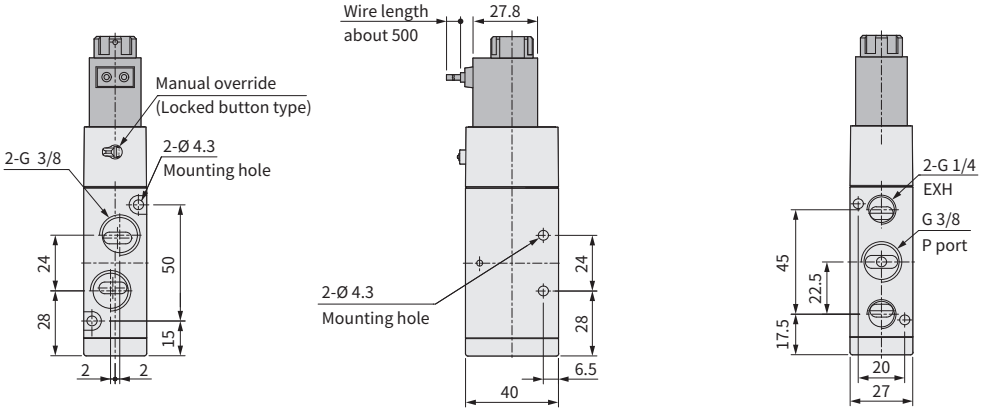
- -W Grommet



SXC 8103

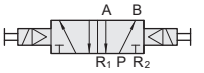
- 5 port 2-position single

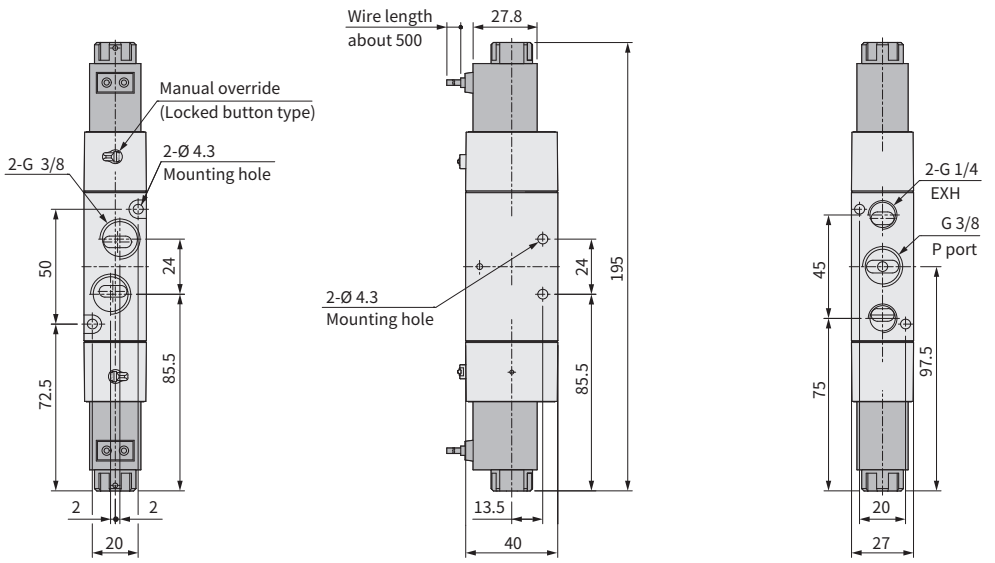




SXC 8203

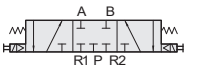
- 5 port 2-position double





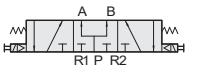
SXC 8233 - ▭

- 5 port 3-position double

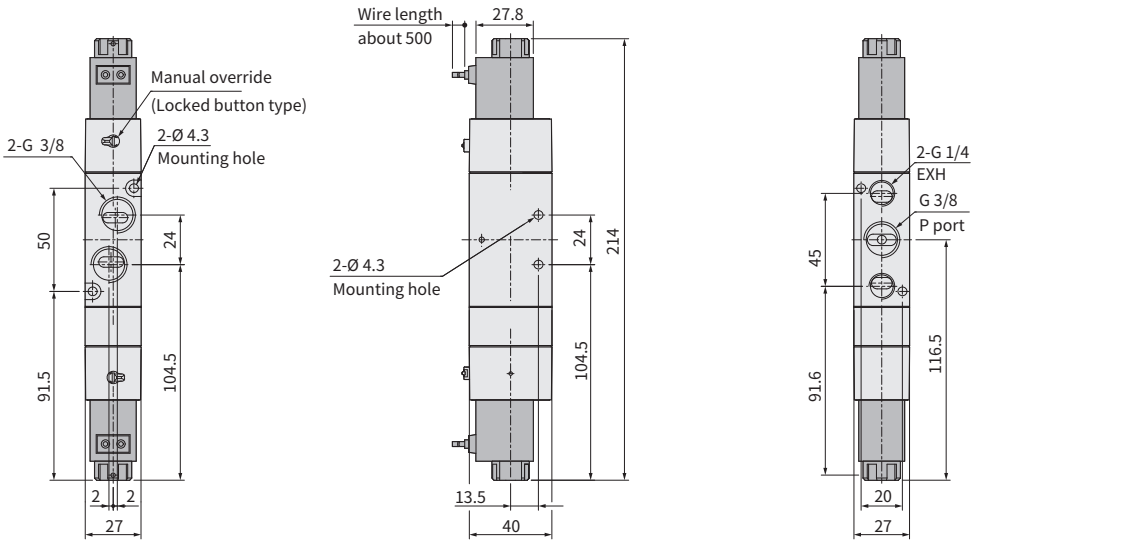


SXC 8233 (Closed center) N.C.

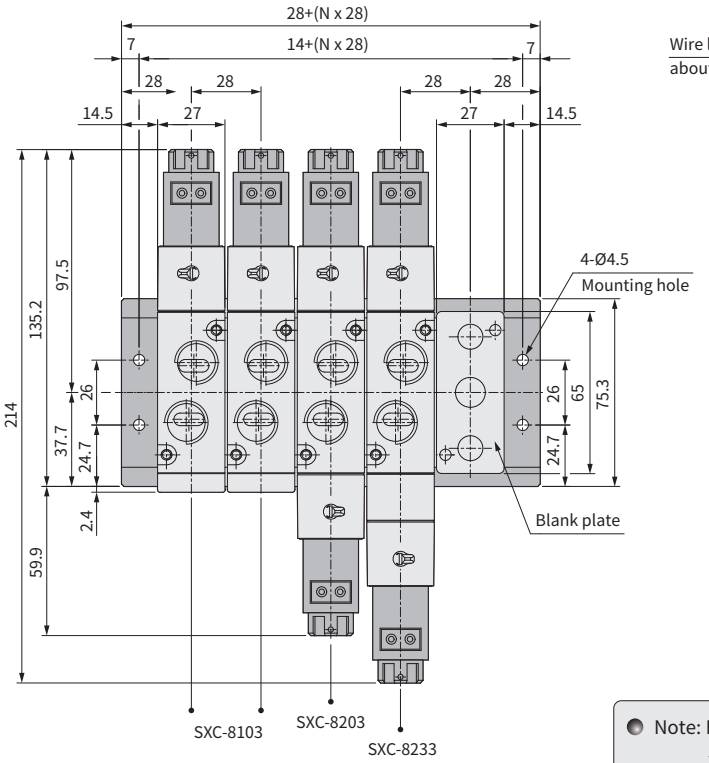
SXC 8233 (Exhaust center) N.F.

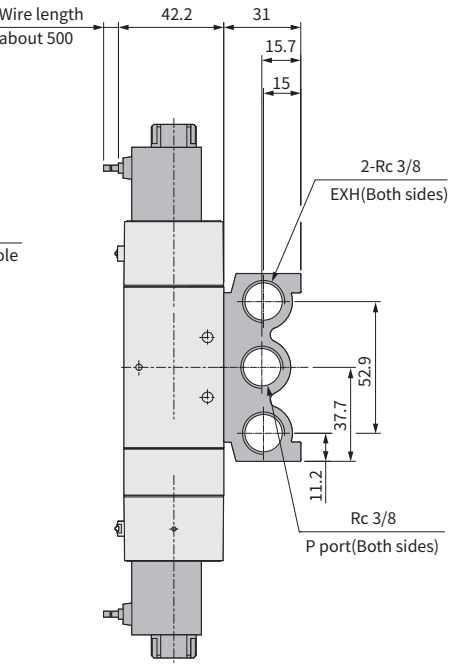


SXC 8233 (Pressure center) N.O.



SXC 800 series Manifold dimension

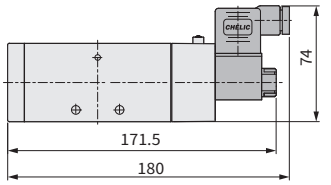




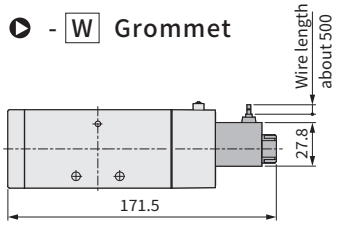
Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

900 series Coil operated type

- -K-L DIN terminal box with indicator light

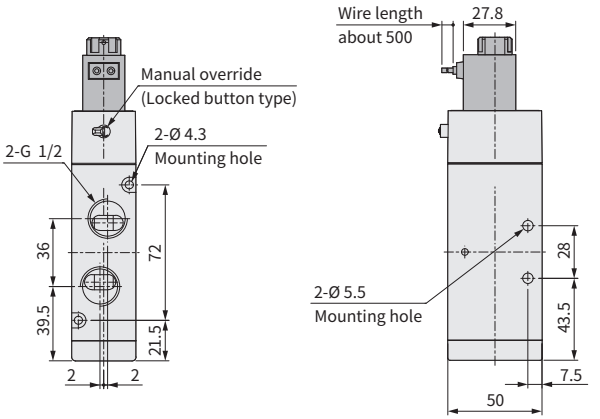


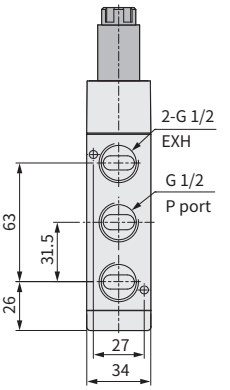
- -W Grommet



SXC 9104

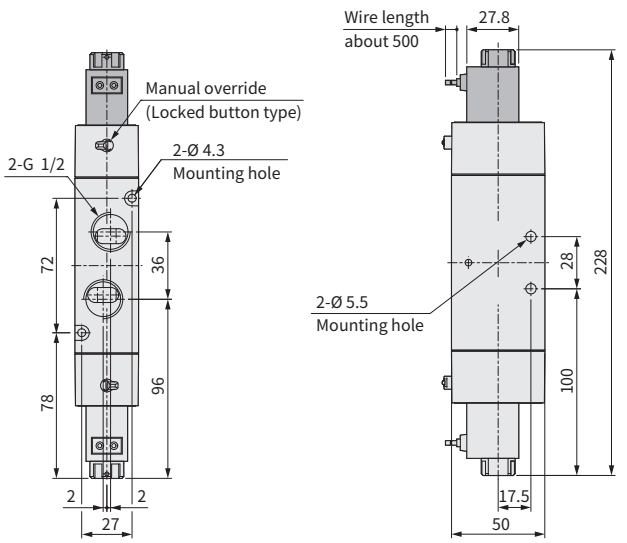
- 5 port 2-position single

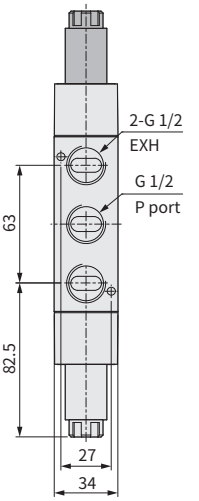




SXC 9204

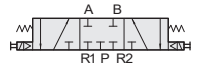
- 5 port 2-position double



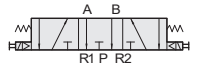


SXC 9234 - [ ]

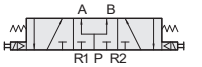
- 5 port 3-position double



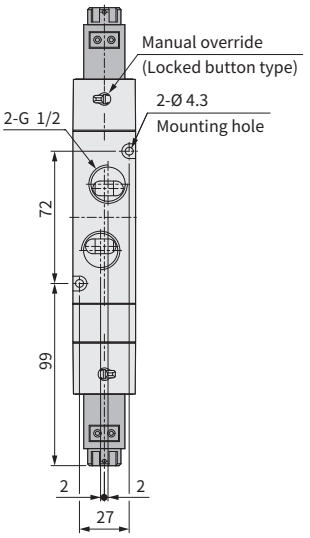
SXC 9234 (Closed center) N.C.

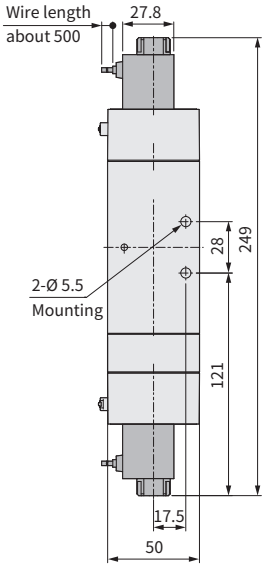


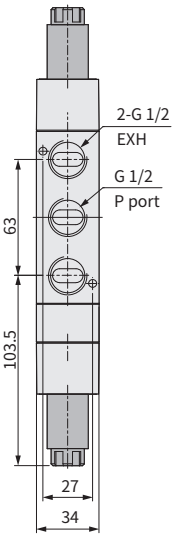
SXC 9234 (Exhaust center) N.F.



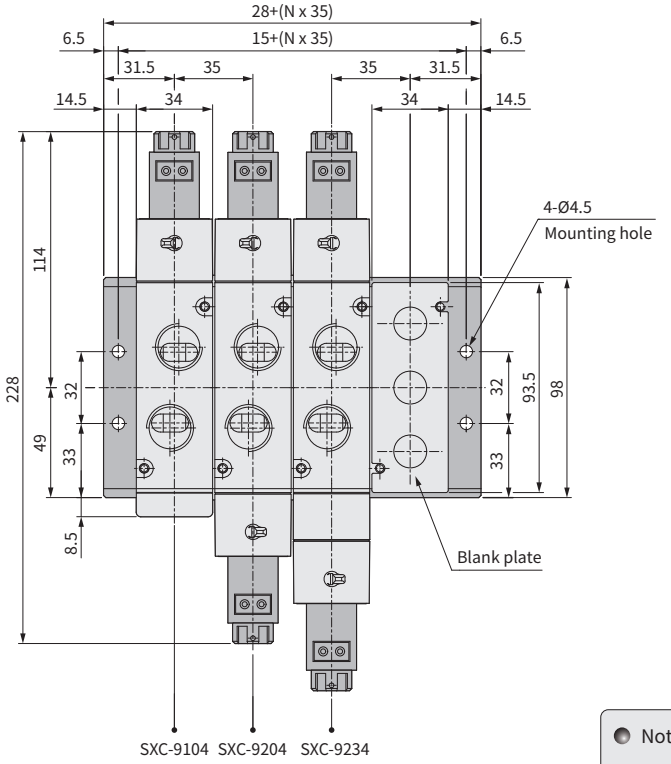
SXC 9234 (Pressure center) N.O.

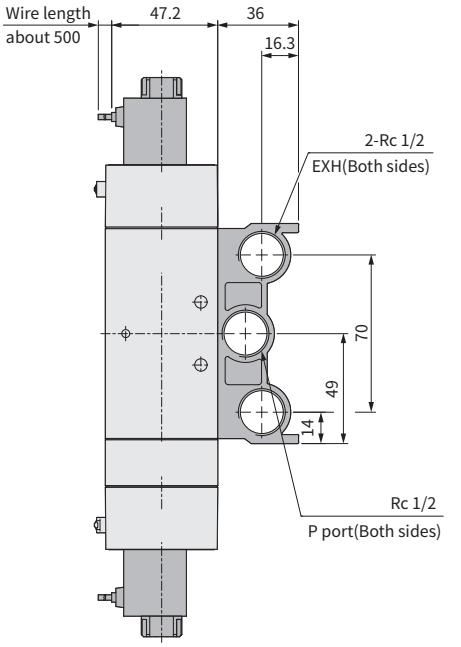






SXC 900 series Manifold dimension





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