

SX series Body Ported Solenoid Valve

Product features

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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	SX 510	SX 523	SX 610	SX 623	SX 810	SX 823	SX 910	SX 923
		SX 520		SX 620		SX 820		SX 920	
Fluid		Air							
Pressure range kgf / cm ² (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 mm ² (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 **SX 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

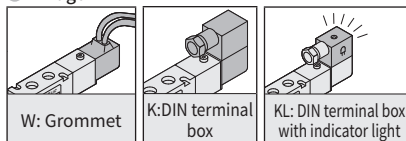
3	Thread type		
	Mark	Port size	Model
	1	G 1/8	SX 500
	2	G 1/4	SX 600
	3	G 3/8	SX 800
	4	G 1/2	SX 900

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

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

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

Image

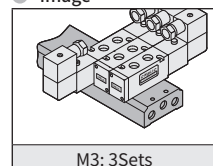


6	Mark	Valve type
	NC	Closed center
	NF	Exhaust center
	NO	Pressure center

● NC/NF/NO 5/3-position only

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

Image



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

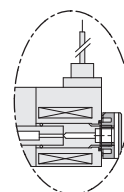
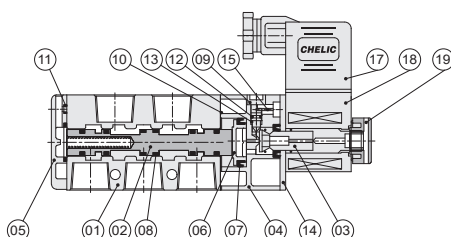
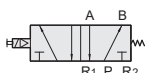
SX series Body Ported Solenoid Valve

Product features

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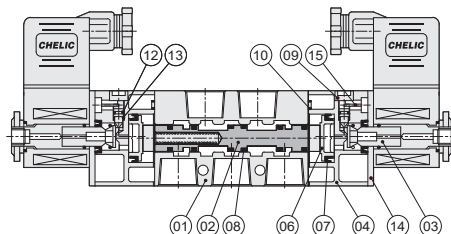
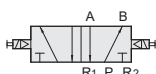
Internal structure

5 port 2-position single

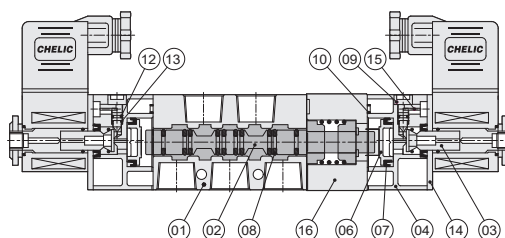
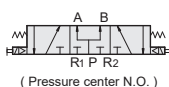
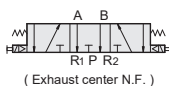
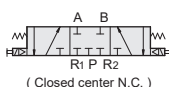


- **W** Grommet

5 port 2-position double



5 port 3-position double



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.

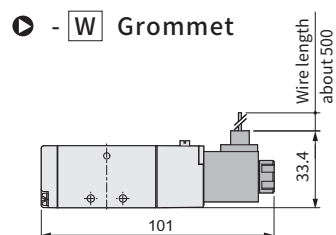
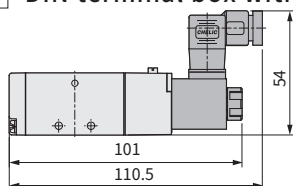
SX series Body Ported Solenoid Valve

Dimensions / SX 500

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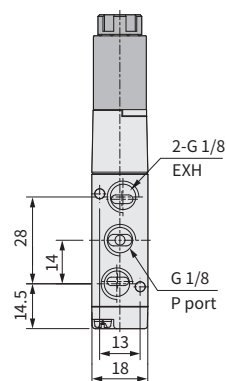
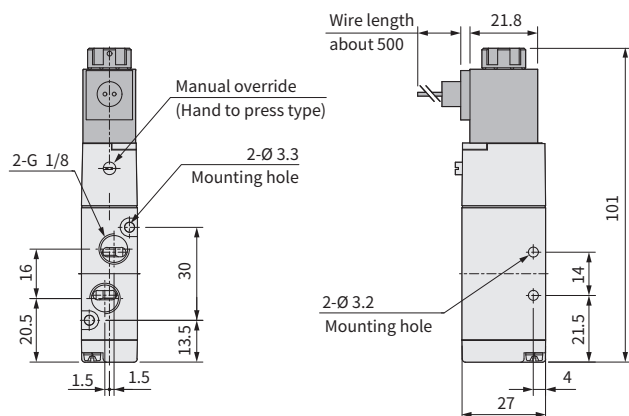
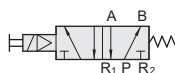
500 series Coil operated type

- - **K** DIN terminal box
- **K** - **L** DIN terminal box with indicator light



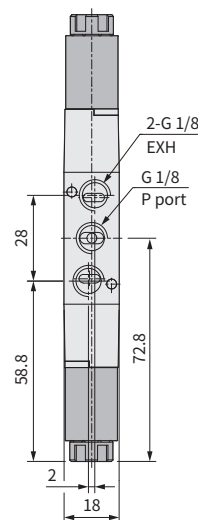
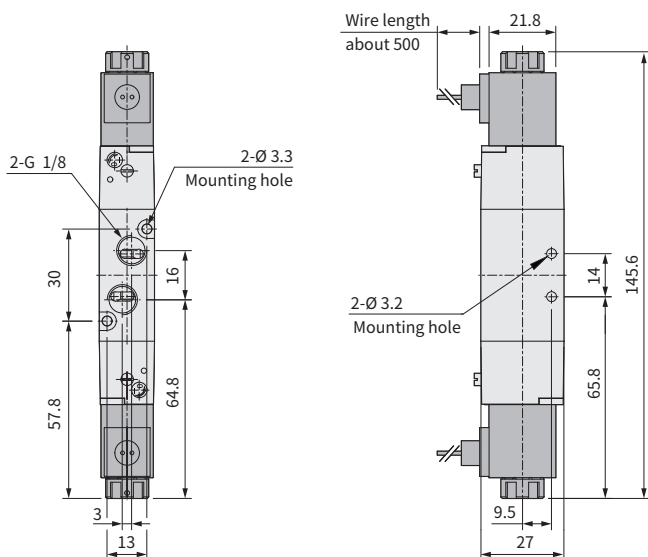
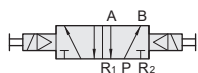
SX 5101

- 5 port 2-position single



SX 5201

- 5 port 2-position double

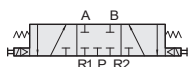


Dimensions / SX 500

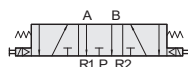
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SX 5231 -

► 5 port 3-position double



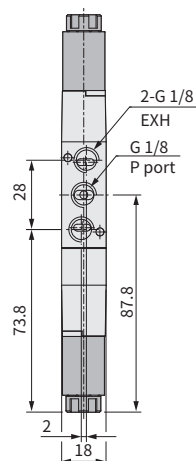
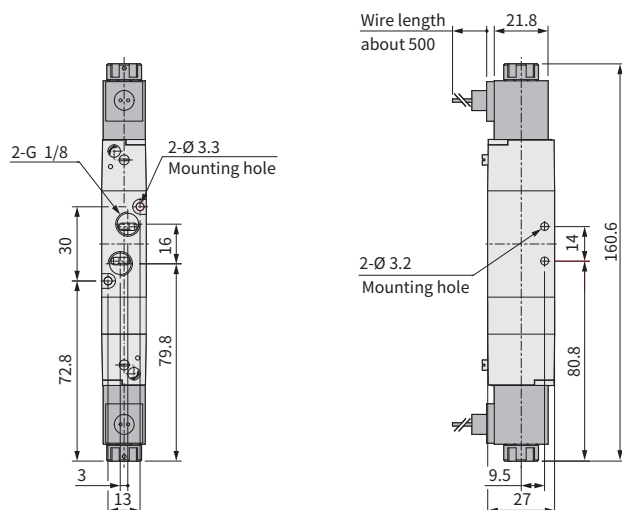
SX 5231 (Closed center) N.C.



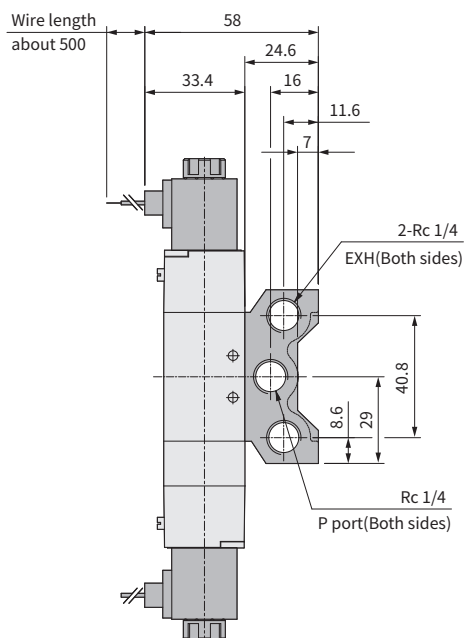
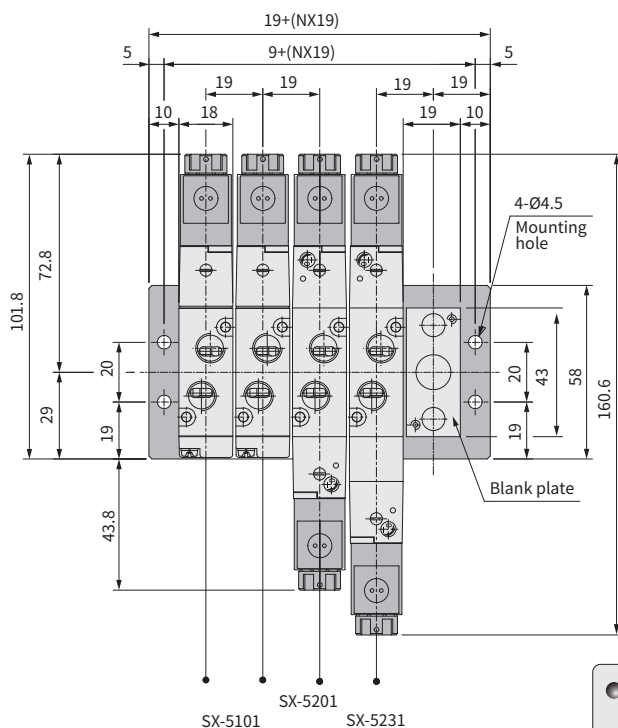
SX 5231 (Exhaust center) N.F.



SX 5231 (Pressure center) N.O.



SX 500 series Manifold dimension



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

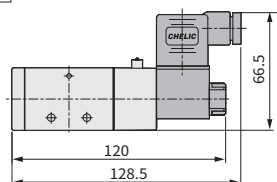
SX series Body Ported Solenoid Valve

Dimensions / SX 600

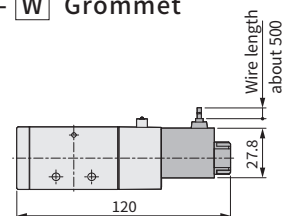
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600 series Coil operated type

- - **K** DIN terminal box
- **K** - **L** DIN terminal box with indicator light

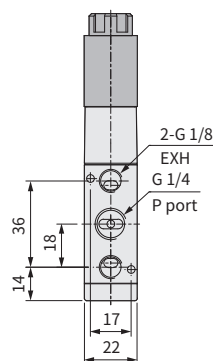
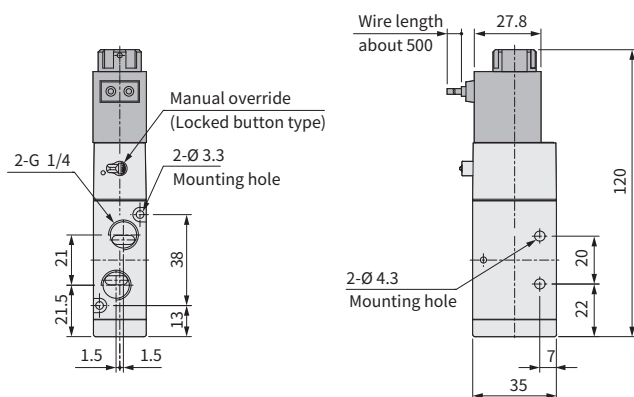


- - **W** Grommet



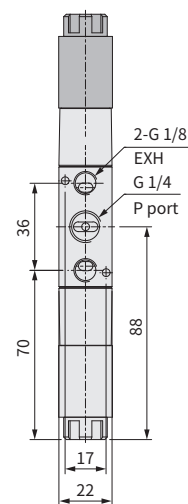
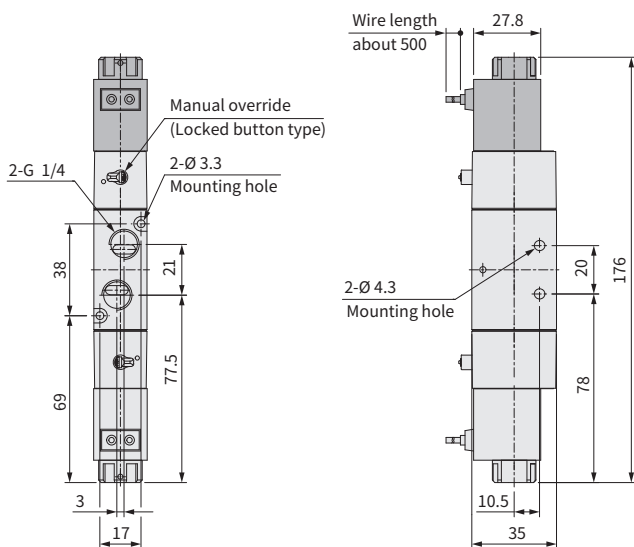
SX 6102

- 5 port 2-position single



SX 6202

- 5 port 2-position double



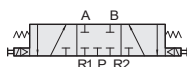
SX series Body Ported Solenoid Valve

Dimensions / SX 600

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SX 6232 -

5 port 3-position double



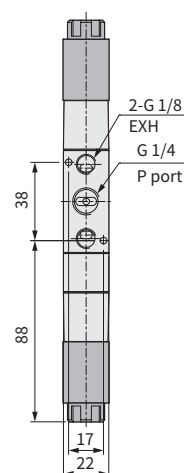
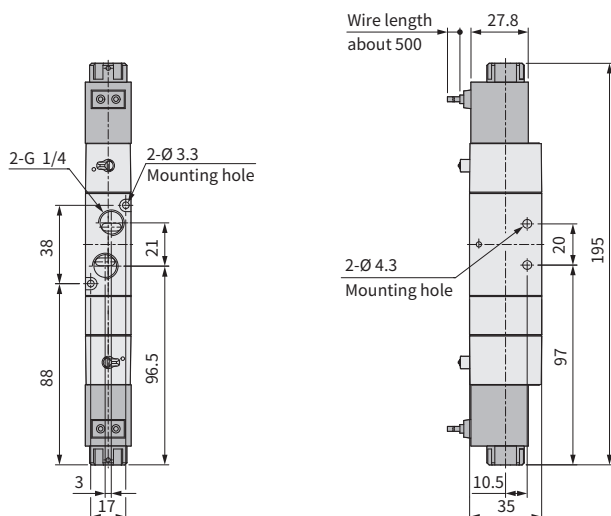
SX 6232 (Closed center) N.C.



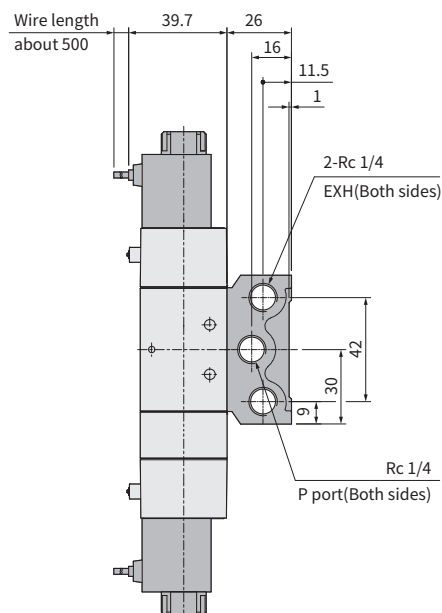
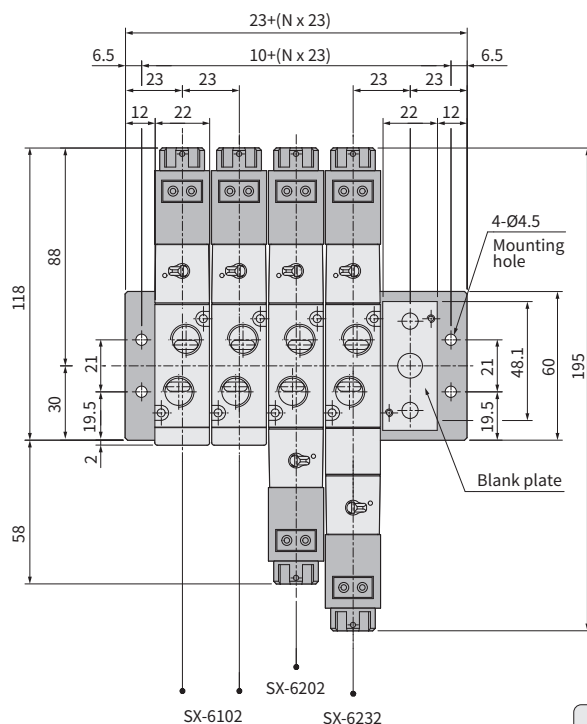
SX 6232 (Exhaust center) N.F.



SX 6232 (Pressure center) N.O.



SX 600 series Manifold dimension



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

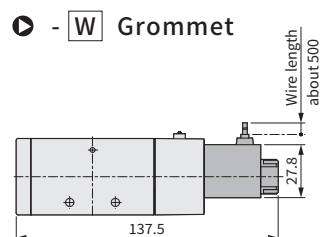
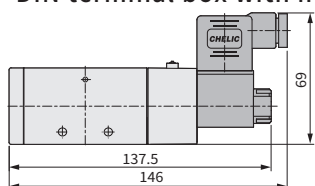
SX series Body Ported Solenoid Valve

Dimensions / SX 800

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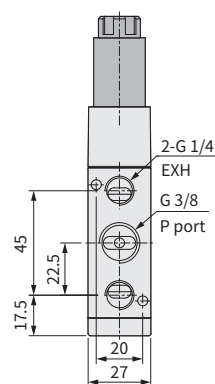
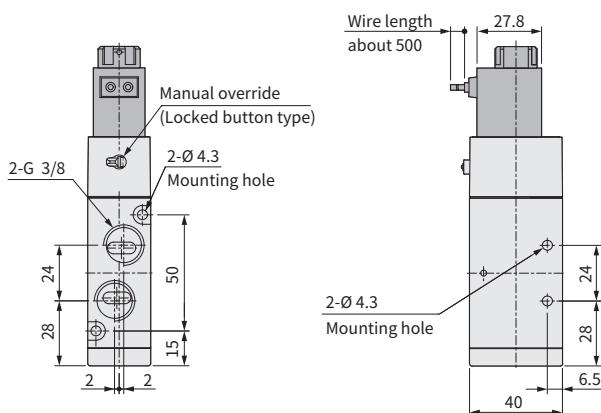
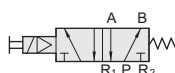
800 series Coil operated type

- - **K** DIN terminal box
- **K** - **L** DIN terminal box with indicator light



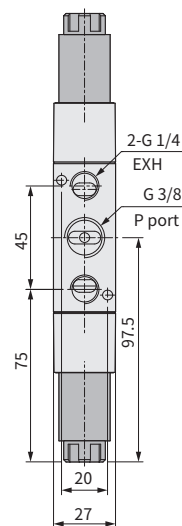
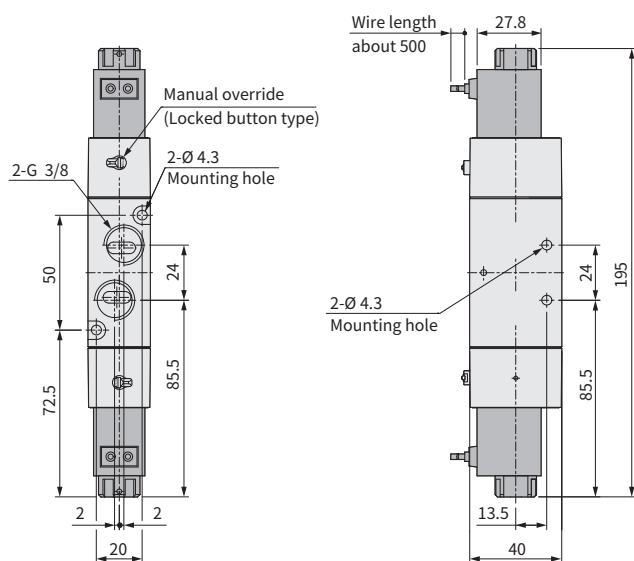
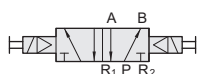
SX 8103

- 5 port 2-position single



SX 8203

- 5 port 2-position double



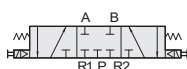
SX series Body Ported Solenoid Valve

Dimensions / SX 800

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SX 8233 -

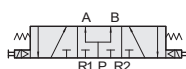
5 port 3-position double



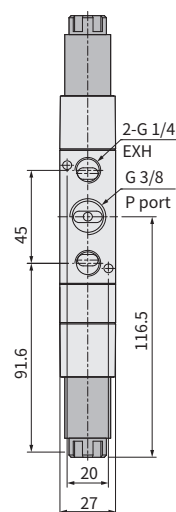
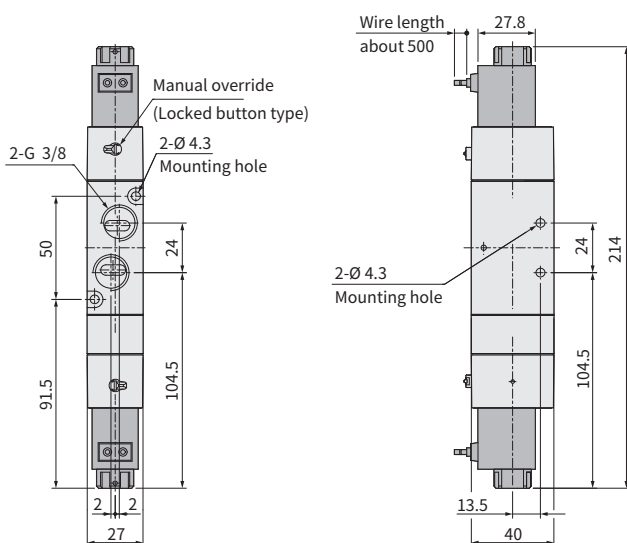
SX 8233 (Closed center) N.C.



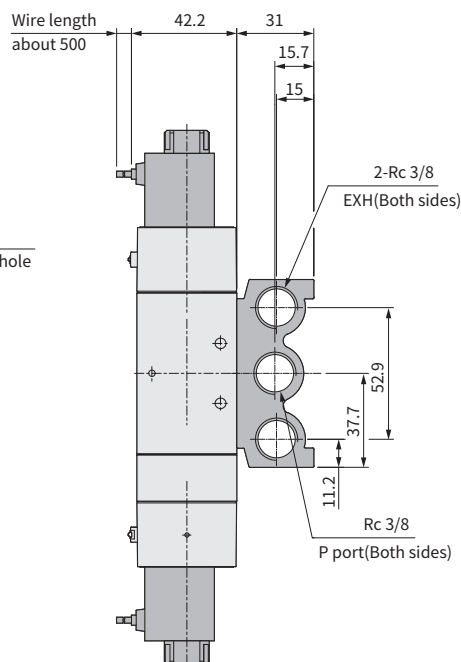
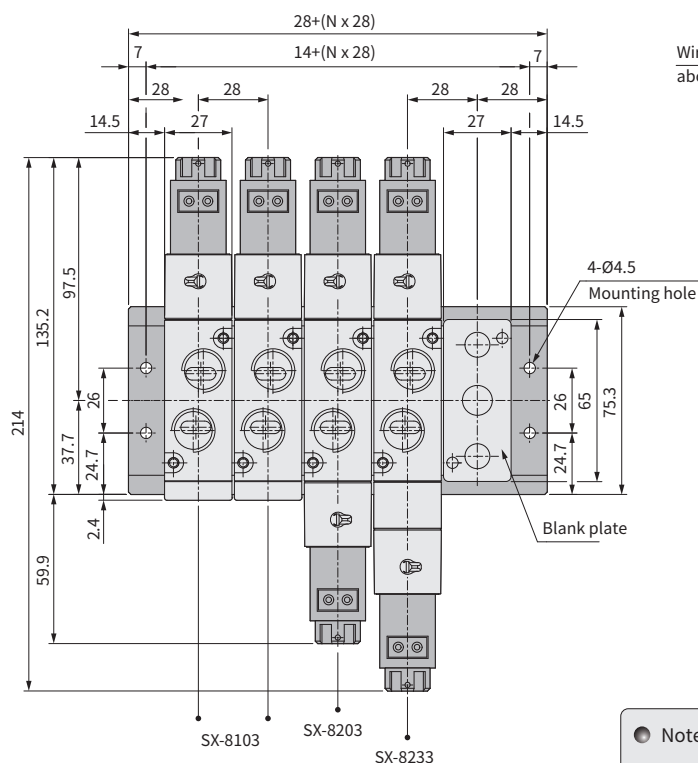
SX 8233 (Exhaust center) N.F.



SX 8233 (Pressure center) N.O.



SX 800 series Manifold dimension



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

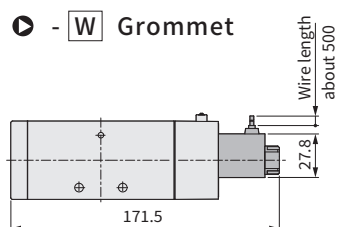
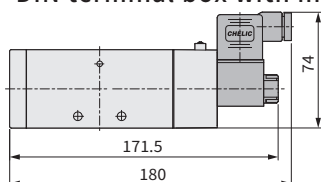
SX series Body Ported Solenoid Valve

Dimensions / SX 900

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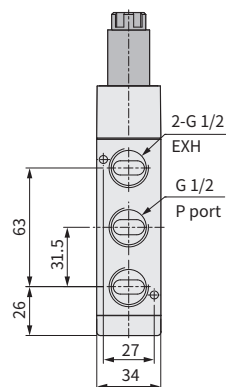
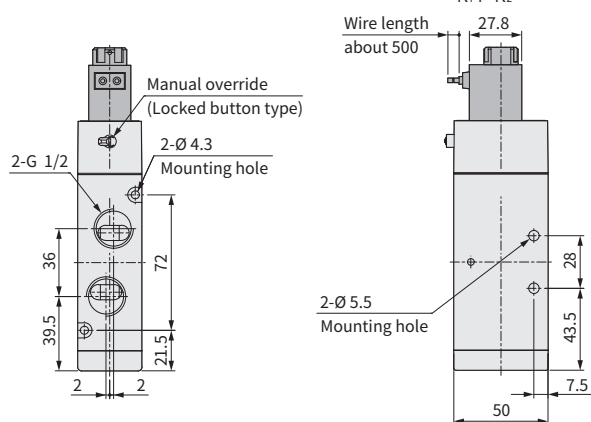
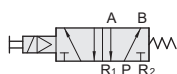
900 series Coil operated type

- - **K** DIN terminal box
- **K** - **L** DIN terminal box with indicator light



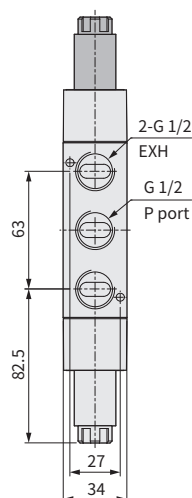
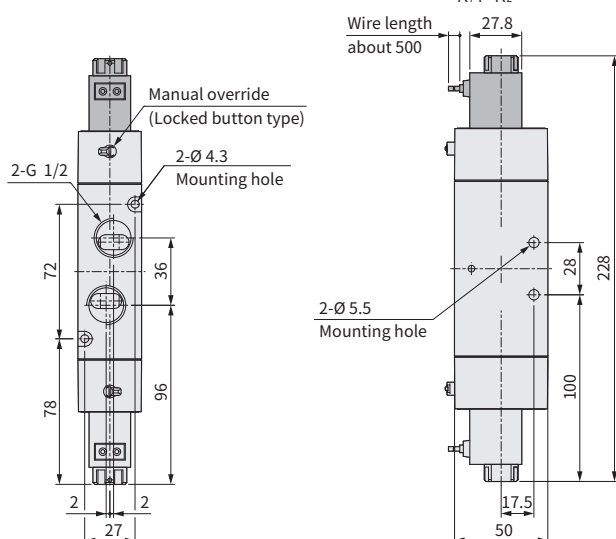
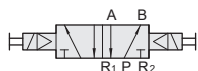
SX 9104

- 5 port 2-position single



SX 9204

- 5 port 2-position double



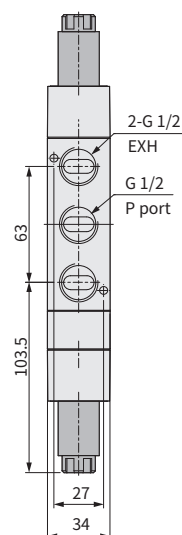
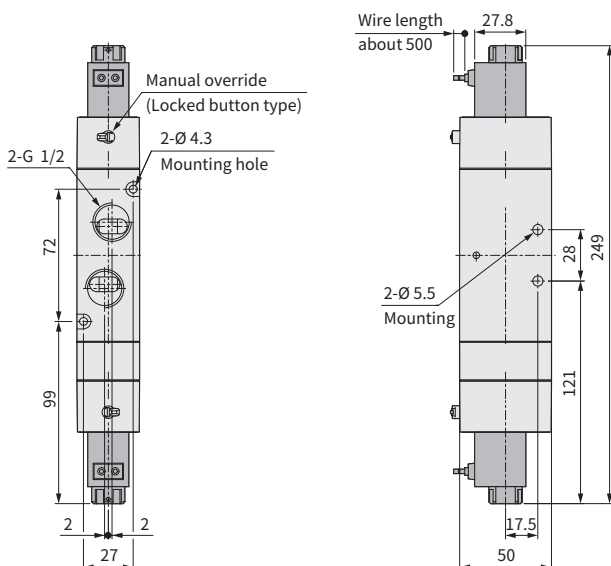
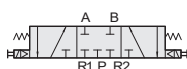
SX series Body Ported Solenoid Valve

Dimensions / SX 900

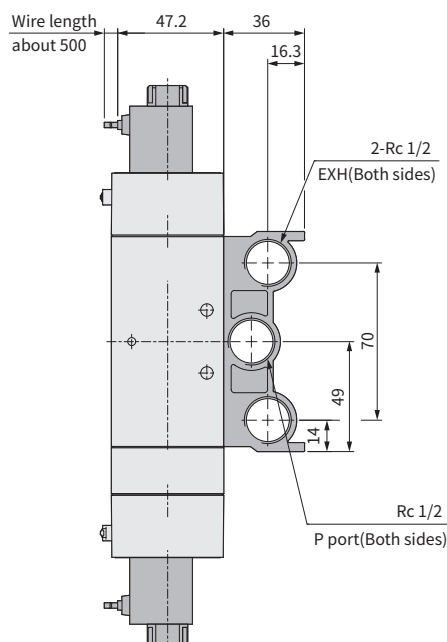
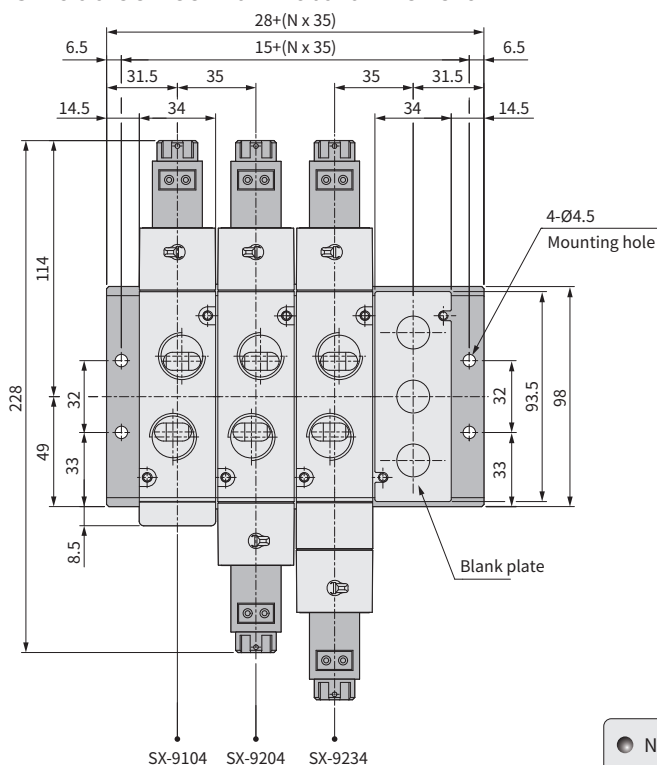
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SX 9234 -

5 port 3-position double



SX 900 series Manifold dimension



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