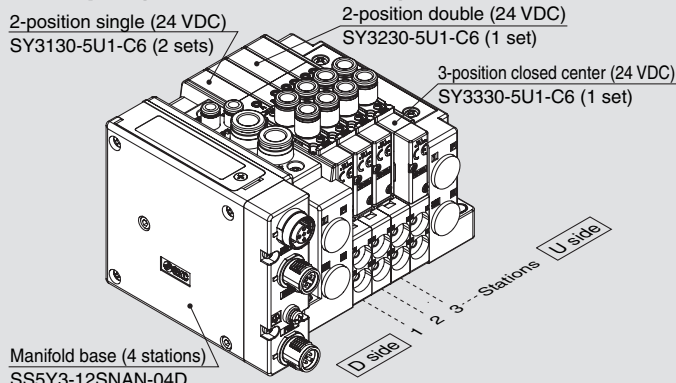


How to Order Manifold Assembly

Example (SS5Y3-12SNAN-□)



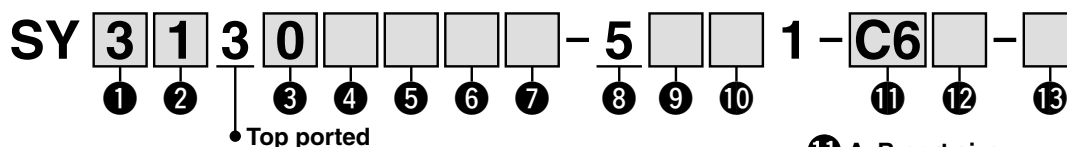
SS5Y3-12SNAN-04D 1 set (Type 12 4-station manifold base part no.)
 *SY3130-5U1-C6 2 sets (2-position single part no.)
 *SY3230-5U1-C6 1 set (2-position double part no.)
 *SY3330-5U1-C6 1 set (3-position closed center part no.)

→ The asterisk denotes the symbol for assembly.
 Prefix it to the part nos. of the valve, etc.

- The valve arrangement is numbered as the 1st station from the D side.
 - Under the manifold part number, state the valves to be mounted in order from the 1st station as shown in the figure above.
- If the arrangement becomes complicated, specify on a manifold specification sheet.

How to Order Valves (With two mounting screws)

Refer to page 8 for valve specifications.



1 Series

3	SY3000
5	SY5000

2 Type of actuation

1	2-position single
2	2-position double
3	3-position closed center
4	3-position exhaust center
5	3-position pressure center
A*	4-position dual 3-port valve (N.C./N.C.)
B*	4-position dual 3-port valve (N.O./N.O.)
C*	4-position dual 3-port valve (N.C./N.O.)

* Only rubber seal type is available for the 4-position dual 3-port valve.

3 Seal type

0	Rubber seal
1	Metal seal

4 Pilot type

Nil	Internal pilot
R	External pilot

5 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* Only rubber seal type.
 Manifold installed type is available if the back pressure check valve is required for a valve with metal seal. Refer to page 147 for details. However, it is not recommended to use the built-in valve type and the manifold installed type at the same time because it will reduce the flow.

* The built-in valve type back pressure check valve is not available for the 3-position type.

6 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)
K*	High pressure type (1.0 MPa)

* Only metal seal type is available for the high pressure type.

7 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when a valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected. Refer to page 154.

8 Rated voltage

5	24 VDC
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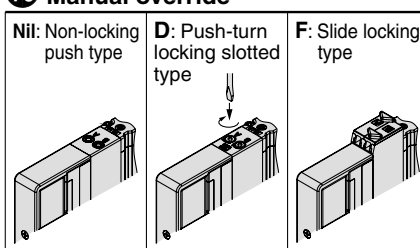
9 Light/surge voltage suppressor and common specification

R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Select a valve from R, U, S or Z when the SI unit output polarity is Nil (Positive common).
 Select a valve from R, U, NS or NZ when the SI unit output polarity is N (Negative common).

* Only "Z" and "NZ" types are available for the product with power saving circuit.

10 Manual override



11 A, B port size

Thread piping

Symbol	Port size	Applicable series
M5	M5 x 0.8	SY3000
01	1/8	SY5000

One-touch fitting (Metric)

Symbol	A and B port	SY3000	SY5000
C2	ø2 One-touch fitting	●	—
C3	ø3.2 One-touch fitting	●	—
C4	ø4 One-touch fitting	●	●
C6	ø6 One-touch fitting	●	●
C8	ø8 One-touch fitting	—	●

One-touch fitting (Inch)

Symbol	A and B port	SY3000	SY5000
N1	ø1/8" One-touch fitting	●	—
N3	ø5/32" One-touch fitting	●	●
N7	ø1/4" One-touch fitting	●	●
N9	ø5/16" One-touch fitting	—	●

12 Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

* Only Nil is available for M5.

13 Type of mounting screw

Nil	Round head combination screw
B	Hexagon socket head cap screw
K	Round head combination screw (Falling-out-prevention type)
H	Hexagon socket head cap screw (Falling-out-prevention type)

* For "K" and "H", the valve body cover has a drop prevention construction to stop the mounting screws from falling out when the valve is removed for maintenance etc.

* When ordering a valve individually, the base gasket is not included. Since the base gasket is attached to the manifold, please order the base gasket separately if it is needed for maintenance service. Refer to page 136 for part numbers of the base gasket and mounting screw.

* "B" and "H" cannot be selected for the individual SUP/EXH spacer assembly.

