

Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

D-sub Connector Flat Ribbon Cable

SY3000/5000/7000 Series



How to Order Manifolds

Refer to pages 569 (SY5000) and 570 (SY7000) for the dimensions of Type 11/Bottom-ported type.

SS5Y 3 - 10 F 1 - 05 U - C6

1 2 3 4 5 6 7 8 9

1 Series

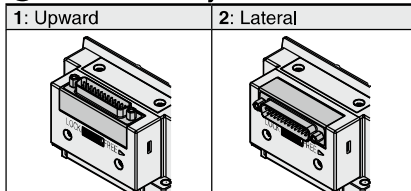
3	SY3000
5	SY5000
7	SY7000

2 Type

10	Side ported
11	Bottom ported*1

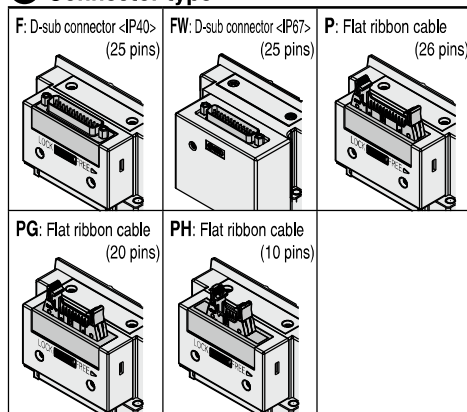
*1 The SY5000 manifold base is used for the bottom-ported SY3000. When ordering, refer to the "Plug-in Mixed Mounting Type Manifold" (from page 574).

4 Connector entry direction



* The connector entry direction for connector type "FW" D-sub connector <IP67> cannot be rotated. If it is necessary to change, order the connector block assembly (page 592) separately.

3 Connector type



5 Valve stations

F/FW: D-sub connector (25 pins)			P: Flat ribbon cable (26 pins)		
Symbol	Stations	Note	Symbol	Stations	Note
02	2 stations	Double wiring*1	02	2 stations	Double wiring*1
12	12 stations		12	12 stations	
02	2 stations		02	2 stations	
24	24 stations	Specified layout*2 (Up to 24 solenoids available)	24	24 stations	Specified layout*2 (Up to 24 solenoids available)

PG: Flat ribbon cable (20 pins)			PH: Flat ribbon cable (10 pins)		
Symbol	Stations	Note	Symbol	Stations	Note
02	2 stations	Double wiring*1	02	2 stations	Double wiring*1
09	9 stations		04	4 stations	
02	2 stations		02	2 stations	
18	18 stations	Specified layout*2 (Up to 18 solenoids available)	08	8 stations	Specified layout*2 (Up to 8 solenoids available)

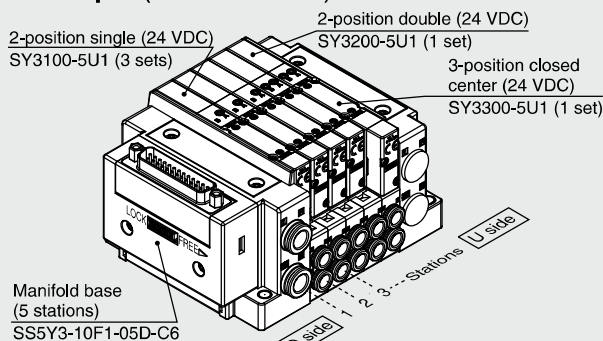
*1 Double wiring: 2-position single, double, 3-position, and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

*2 Specified layout: Indicate the wiring specifications on the manifold specification sheet. (Note that 2-position double, 3-position, and 4-position valves cannot be used where single wiring has been specified.)

* This also includes the number of the blanking plate assembly.

How to Order Manifold Assembly

Example (SS5Y3-10F1-□)



SS5Y3-10F1-05D-C6 ... 1 set (Type 10 5-station manifold base part no.)

*SY3100-5U1 3 sets (2-position single part no.)

*SY3200-5U1 1 set (2-position double part no.)

*SY3300-5U1 1 set (3-position closed center part no.)

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

- For the valve arrangement, the valve closest to the D side is considered the 1st station.
- Under the manifold part number, state the valves to be mounted in order starting with the 1st station as shown in the figure above. If the arrangement becomes too complicated, specify the details on a manifold specification sheet.

* When mixing top-ported configurations, select from those listed on page 443. In such cases, use caution as there is also output on the A and B ports on the base side. Specify on the manifold specification sheet if plugs are required for the A and B ports on the base side.

6 P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

7 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer
R	External pilot

* 3/5(E) port is plugged for the built-in silencer type.

9 Mounting and Option

Symbol	Mounting	Option	
		Name plate	Station number
Nil	Direct mounting	—	—
AA		●	●
BA		●	—
D □	DIN rail mounting	—	—
A □		●	●
B □		●	—

DIN Rail Option

Nil	Direct mounting
0	Without DIN rail (with bracket)
3	For 3 stations
⋮	⋮
24	For 24 stations

Specify a longer rail than the total length of specified stations.

* Enter the number of stations inside □ when it is larger than the number of valve stations. (Refer to "DIN Rail Option" above.)

* Only direct mounting is available for the type 11 bottom-ported type.

* Refer to page 708 for the fixation of DIN rail mounting type manifold.

8 A, B port size (Metric/One-touch fitting)

Symbol	A, B port	Type 10/Side ported			Type 11/Bottom ported	
		SY3000	SY5000	SY7000	SY5000	SY7000
C2	ø2	●	—	—	—	—
C3	ø3,2	●	—	—	—	—
C4	ø4	●	●	—	●	—
C6	ø6	●	●	●	●	●
C8	ø8	—	●	●	●	●
C10	ø10	—	—	●	—	●
C12	ø12	—	—	●	—	●
CM *1	Straight port, mixed sizes	●	●	●	●	●
L4	Upward	●	●	—	—	—
L6		●	●	●	—	—
L8		—	●	●	—	—
L10		—	—	●	—	—
L12	Downward	—	—	●	—	—
B4		●	●	—	—	—
B6		●	●	●	—	—
B8		—	●	●	—	—
B10	Downward	—	—	●	—	—
B12		—	—	●	—	—
LM *1	Elbow port, mixed sizes (Including upward and downward piping)	●	●	●	—	—
P, E port size (One-touch fittings)		ø8	ø10	ø12	ø10	ø12

A, B port size (Inch/One-touch fitting)

Symbol	A, B port	Type 10/Side ported			Type 11/Bottom ported	
		SY3000	SY5000	SY7000	SY5000	SY7000
N1	ø 1/8"	●	—	—	—	—
N3	ø 5/32"	●	●	—	●	—
N7	ø 1/4"	●	●	●	●	●
N9	ø 5/16"	—	●	●	●	●
N11	ø 3/8"	—	—	●	—	●
CM *1	Straight port, mixed sizes	●	●	●	●	●
LN3	Upward	●	—	—	—	—
LN7		●	●	—	—	—
LN9		—	●	—	—	—
LN11	Downward	—	—	●	—	—
BN3		●	—	—	—	—
BN7		●	●	—	—	—
BN9	Downward	—	●	—	—	—
BN11		—	—	●	—	—
LM *1	Elbow port, mixed sizes (Including upward and downward piping)	●	●	●	—	—
P, E port size (One-touch fittings)		ø 5/16"	ø 3/8"	ø 1/2"	ø 3/8"	ø 1/2"

*1 Indicate the sizes on the manifold specification sheet in the case of "CM" or "LM."

The direction of P, E port fittings is the same as for the A, B port. If selecting "LM," indicate it on the manifold specification sheet for the P, E port fitting direction.

*2 To avoid interference with the body or piping, select a downward elbow port when mounting the optional spacer assembly (pages 617 to 619).