

Type 50
Side Ported

Type 51
Bottom Ported

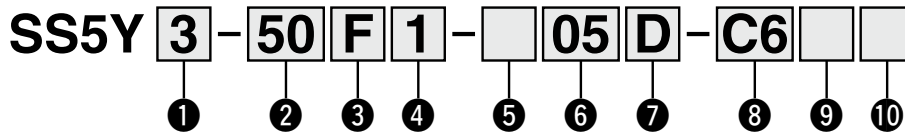
Plug-in Metal Base

D-sub Connector Flat Ribbon Cable

SY3000/5000/7000 Series



How to Order Manifolds



1 Series

3	SY3000
5	SY5000
7	SY7000

2 Type

50	Side ported
51	Bottom ported
50R	Side ported, External pilot

* External pilot is not available for the bottom-porting type.

3 Connector type

F: D-sub connector (25 pins) 	P: Flat ribbon cable (26 pins)
PG: Flat ribbon cable (20 pins) 	PH: Flat ribbon cable (10 pins)

4 Connector entry direction

1: Upward 	2: Lateral
----------------------	-----------------------

5 Wiring type

Nil	All double wiring*1
S	All single wiring*2

*1 All double wiring: 2-position single, double, 3-position, and 4-position valves can be used on all manifold stations.

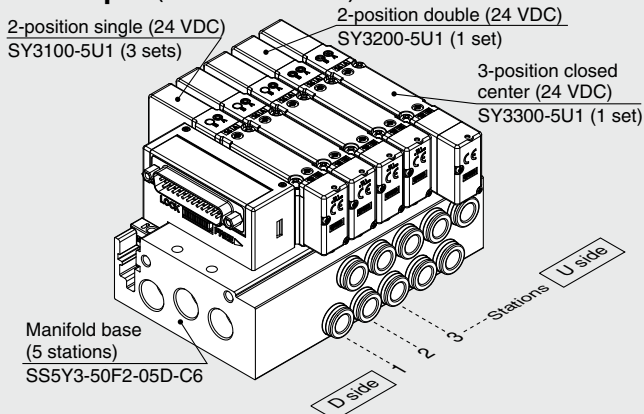
*2 All single wiring: Available only for the manifold which has 2-position single for all stations

Note that 2-position double, 3-, or 4-position valves cannot be used.

* If a mix of single and double wiring is required, it is supplied as a special order.

How to Order Manifold Assembly

Example (SS5Y3-50F2-□)



SS5Y3-50F2-05D-C6 ... 1 set (Type 50 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-porting configurations, select from those listed on page 244. 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 Valve stations

F: D-sub connector (25 pins)			P: Flat ribbon cable (26 pins)		
Symbol	Stations	Note	Symbol	Stations	Note
02	2 stations	All double wiring	02	2 stations	All double wiring
12	12 stations	All double wiring	12	12 stations	All double wiring
02	2 stations	All single wiring	02	2 stations	All single wiring
12	12 stations	All single wiring	12	12 stations	All single wiring

PG: Flat ribbon cable (20 pins)			PH: Flat ribbon cable (10 pins)		
Symbol	Stations	Note	Symbol	Stations	Note
02	2 stations	All double wiring	02	2 stations	All double wiring
09	9 stations	All double wiring	04	4 stations	All double wiring
02	2 stations	All single wiring	02	2 stations	All single wiring
12	12 stations	All single wiring	08	8 stations	All single wiring

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

7 P, E port entry

U	U side*1
D	D side*1*2
B	Both sides

- *1 Plugs are mounted on the opposite side of the selected ports.
- *2 Only D side is available for the type 51 bottom-ported type.

9 Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

10 Mounting

Nil	Direct mounting	
D	DIN rail mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)	
D3	For 3 stations	Specify a length longer than that of the standard rail.
:	:	
D12	For 12 stations	

- * Only direct mounting is available for the type 51 bottom-ported type.
- * Refer to page 295 for the fixation of DIN rail mounting type manifold.

8 A, B port size

Thread piping

Symbol	A, B port	SY3000	SY5000	SY7000
M5	M5 x 0.8	●	—	—
01	1/8	●	●	—
02	1/4	—	●	●

One-touch fitting (Metric)

Symbol	A, B port	SY3000	SY5000	SY7000						
Fixed	C2	ø2	●	—	—					
	C3	ø3.2	●	—	—					
	C4	ø4	●	●	—					
	C6	ø6	●	●	—					
	C8	ø8	—	●	●					
	C10	ø10	—	—	●					
Replaceable	KC2	ø2	●	—	—	<table border="0"> <tr> <td>Type 50 (Side ported)</td> <td>Type 51 (Bottom ported)</td> </tr> <tr> <td></td> <td></td> </tr> </table>	Type 50 (Side ported)	Type 51 (Bottom ported)		
	Type 50 (Side ported)	Type 51 (Bottom ported)								
	KC3	ø3.2	●	—	—					
	KC4	ø4	●	●	—					
	KC6	ø6	●	●	●					
	KC8	ø8	—	●	●					
KC10	ø10	—	—	●						
KC12	ø12	—	—	●						
M*1	Mixed sizes	●	●	●						
P, E port size (Thread piping)		1/8	1/4	3/8						

One-touch fitting (Inch)

Symbol	A, B port	SY3000	SY5000	SY7000						
Fixed	N1	ø1/8"	●	—	—					
	N3	ø5/32"	●	●	—					
	N7	ø1/4"	●	●	—					
	N9	ø5/16"	—	●	●					
	N11	ø3/8"	—	—	●					
Replaceable	KN1	ø1/8"	●	—	—	<table border="0"> <tr> <td>Type 50 (Side ported)</td> <td>Type 51 (Bottom ported)</td> </tr> <tr> <td></td> <td></td> </tr> </table>	Type 50 (Side ported)	Type 51 (Bottom ported)		
	Type 50 (Side ported)	Type 51 (Bottom ported)								
	KN3	ø5/32"	●	●	—					
	KN7	ø1/4"	●	●	●					
	KN9	ø5/16"	—	●	●					
KN11	ø3/8"	—	—	●						
M*1	Mixed sizes	●	●	●						
P, E port size (Thread piping)		1/8	1/4	3/8						

- *1 When ports are of mixed sizes, indicate the piping specifications on the manifold specification sheet.