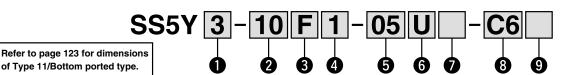
Type 10 Side Ported **Type 11 Bottom Ported**

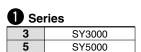
Plug-in Connector Connecting Base

D-sub Connector X Flat Ribbon Cable X PC Wiring

Series SY3000/5000 CE

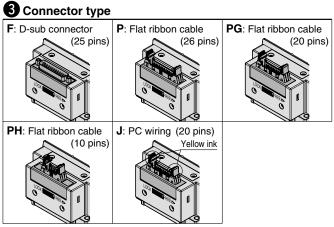
How to Order Manifold



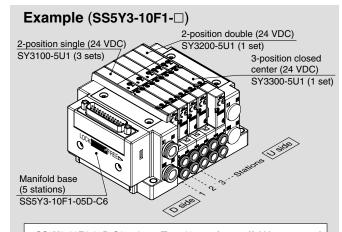


2 Ty _l	ре
10	Side ported
11	Bottom ported*

The SY5000 manifold base is used for the bottom ported of the SY3000. When ordering, refer to Plug-in Mixed Mounting Type Manifold (from page 127).



How to Order Manifold Assembly



SS5Y3-10F1-05D-C6 ··· 1 set (Type 10 5-station manifold base part no.) *SY3100-5U1------3 sets (2-position single part no.)

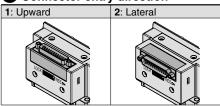
*SY3200-5U1------1 set (2-position double part no.) *SY3300-5U1------1 set (3-position closed center part no.)

The asterisk denotes the symbol for 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.

Note) When mixing top ported configurations, select from page 56. In this case, use caution as there is also output on the A and B port on base side. Specify on a manifold specification sheet if plugs are required on the A and B port on base side

4 Connector entry direction



Valve stations

F: D	sub c	connector (25 pins)	P : F	lat ribl	oon cable (26 pins)
Symbol	Stations	Note	Symbo	Stations	Note
02	2 stations		02	2 stations	
:	:	Double wiring Note 1)	:	1	Double wiring Note 1)
12	12 stations		12	12 stations	
02	2 stations	Specified layout Note 2)	02	2 stations	Specified layout Note 2)
:	:	(Available up to	:	1	(Available up to
24	24 stations	24 solenoids)	24	24 stations	24 solenoids)

PG: Flat ribbon cable (20 pins)

PG:	Flat ri	bbon cable (20 pins)	PH:	Flat ri	bbon cable (10 pins)
Symbol	Stations	Note	Symbol	Stations	Note
02	2 stations		02	2 stations	
•	:	Double wiring Note 1)	•	:	Double wiring Note 1)
09	9 stations		04	4 stations	
02	2 stations	Specified layout Note 2)	02	2 stations	Specified layout Note 2
•	:	(Available up to	:	:	(Available up to
18	18 stations	18 solenoids)	08	8 stations	8 solenoids)

02	2 stations	
:	:	Double wiring Note 1)
04	4 stations	
02	2 stations	Specified layout Note 2)
:	:	(Available up to
08	8 stations	8 solenoids)

J: PC wiring (20 pins)

Symbol	Stations	Note		
02	2 stations			
:	:	Double wiring Note 1)		
08	8 stations			
02	2 stations	Specified layout Note 2)		
:	:	(Available up to		
16	16 stations	16 solenoids)		

Note 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.

Note 2) Specified layout: Indicate the wiring specifications on the manifold specification sheet. (Note that 2-position double, 3-position and 4position valves cannot be used where single wiring has been specified.) Note 3) This also includes the number of blanking plate assembly.

6 P, E port entry

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

Refer to the page on the right for 8.

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 builtin silencer type.

Mounting and Option

Symbol	Mounting	Option
Nil		None
AA	Direct mounting	Name plate (With station number)
BA		Name plate (Without station number)
D□	DIN "	Without name plate
A□	DIN rail mounting	Name plate (With station number)
B□		Name plate (Without station number)

DIN Rail Option

Nil	Direct mounting				
0	Without DIN rail (with bracket)				
3	For 3 stations	Specify a longer rail			
:	:	than the total length			
24	For 24 stations	of specified stations.			

Note 1) Enter the number of stations inside \square . (Refer to "DIN Rail Option" below.) Note 2) Only direct mounting is available for Type 11 (Bottom ported).



8 A, B port size (Metric)

Cumbal		A R port		Type Side p	e 10/ ported	Type 11/ Bottom ported	
Symbol			A, B port	SY3000	SY5000	SY5000	
C2		ø2	One-touch fitting	•	_	_	
C3		ø3	.2 One-touch fitting	•		_	
C4	igh	ø4	One-touch fitting	•	•	•	
C6	Straight	ø6	One-touch fitting	•	•	•	
C8	0,	ø8	One-touch fitting	_	•	•	O DAY
CM*		Stı	aight port, mixed sizes	•	•	•	
L4		5	ø4 One-touch fitting	•	•	_	
L6		Upward	ø6 One-touch fitting	•	•	_	
L8	ote)	5	ø8 One-touch fitting	_	•	_	a Basses
B4	Elbow Note)	ard	ø4 One-touch fitting	•	•	_	
B6	<u>a</u>	ownward	ø6 One-touch fitting	•	•	_	
B8	ш	õ	ø8 One-touch fitting	_	•	_	
LM*			ow port, mixed sizes uding upward and downward piping)	•	•	_	
P, E	ро	rt si	ze (One-touch fittings)	ø8	ø10	ø10	
Note	Note) To avoid interference with the body or nining, coloct downward albeit						

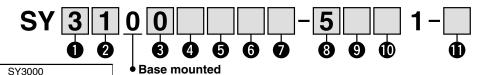
A, B port size (Inch)

	•		. ,				
Symbol			A, B port	Type Side p	e 10/ ported	Type 11/ Bottom ported	
Syllibol			А, Б роп	SY3000	SY5000	SY5000	
N1		ø1.	/8" One-touch fitting	•	_	_	
N3	ht	ø5	/32" One-touch fitting	•	•	•	
N7	Straight	ø1.	/4" One-touch fitting	•	•	•	
N9	St	ø5	/16" One-touch fitting	_	•	•	O Date
CM*		Str	aight port, mixed sizes	•	•	•	
LN3		5	ø5/32" One-touch fitting	•	_	_	
LN7		pward	ø1/4" One-touch fitting	•	•	_	
LN9	ote)	5	ø5/16" One-touch fitting	_	•	_	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
BN3	Elbow Note)	ard	ø5/32" One-touch fitting	•		_	
BN7	oqı	Downward	ø1/4" One-touch fitting	•	•	_	
BN9		වි	ø5/16" One-touch fitting	_	•	_	To Take
LM*			ow port, mixed sizes uding upward and downward piping)	•	•	_	-
P, E	ро	rt si	ze (One-touch fittings)	ø5/16"	ø3/8"	ø3/8"	
							•

Note) To avoid interference with the body or piping, select downward elbow port when mounting the optional spacer assembly (pages 141 to 143).

- * Indicate the sizes on the manifold specification sheet in the case of "CM", "LM".
- * The direction of P, E port fittings is the same as for A, B port. If selecting "LM", indicate it on the manifold specification sheet for the P, E port fitting direction.

How to Order Valves (With two mounting screws)



2 Type of actuation

Series

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.)

SY5000

* 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	

Back pressure check valve (Ruilt-in valve type)

<u> </u>	(Dunt-in valve type)	
Nil	None	
Н	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 Ordering Example. 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

 O : not runto opinon	
Nil	Standard (0.7 MPa)
В	Quick response type (0.7 MPa)
K*	High pressure type (1.0 MPa)

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

Cail turns

Con type		
	Nil	Standard
	Т	With power saving circuit (Continuous duty type)

- * Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.
- * Note the specified energizing time when power saving circuit is selected. Refer to page 154.

Rated voltage

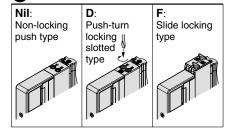
5	24 VDC
6	12 VDC

9 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
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)

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

Manual override



Refer to page 8 for valve specifications.

Type of mounting screw

Nil	Round head combination screw
В	Hexagon socket head cap screw
K	Round head combination screw (Falling-out-prevention type)
Н	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 or double check spacer assembly with residual pressure release valve.

