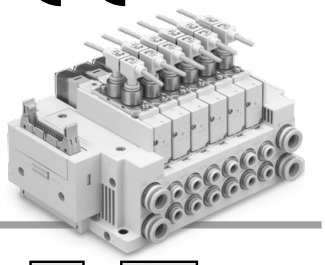
SY5000/7000 Series
Valve with Pressure Sensor



Mountable manifold
Metal base: SS5Y5/7-50/51 type manifold
Connector connecting base: SS5Y5/7-10/11 type manifold

How to Order Valves (With mounting screw)

SY 5 1 3 0 □ □ □ □ – 5 □ □ 1 – C6 – □ – P2

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫ ⓬ ⓭

• Top ported

❶ Series

5	SY5000
7	SY7000

❷ Type of actuation

1	2-position	Single
2		Double
3	3-position	Closed center
4		Exhaust center
5		Pressure center
A*1	4-position dual 3-port	N.C./N.C.
B*1		N.O./N.O.
C*1		N.C./N.O.

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

❸ Seal type

0	Rubber seal
1	Metal seal

❹ Pilot type

Nil	Internal pilot
R	External pilot

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

Nil	None
H	Built-in

* Only the rubber seal type is available. A manifold installed type is available if a back pressure check valve with a metal seal is required. Refer to page 212 for ordering examples. 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 or the SY7000.

❻ Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)
K*1	High pressure type (1.0 MPa)

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

❼ Coil type

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

* Be sure to select the power saving circuit type if the valve is to be continuously energized for long periods of time.
* Be careful of the energizing time when the power saving circuit is selected. Refer to page 292 for details.

❽ Rated voltage

5	24 VDC
6	12 VDC

* The applicable rated voltage varies depending on the manifold wiring type.

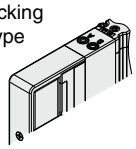
❾ Light/surge voltage suppressor and common specification

Symbol	With light	Surge voltage suppressor	Common specification
Nil	—	—	Non-polar
R	—	●	
U	●		
S	—		Positive common
Z	●		
NS	—		Negative common
NZ	●		

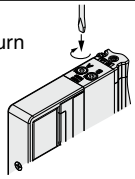
* For the non-polar type, be careful of surge voltage intrusion. Refer to page 293 for details.
* Only "Z" and "NZ" are available with a power saving circuit.
* Select "R," "U," "S," or "Z" for the valve when the SI unit output polarity is positive common. Select "R," "U," "NS," or "NZ" for the valve when the SI unit output polarity is negative common.

❿ Manual override

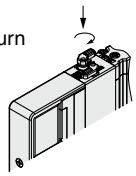
Nil: Non-locking push type



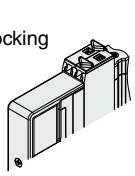
D: Push-turn locking slotted type



E: Push-turn locking lever type



F: Slide locking type



⓫ A, B port size

One-touch fitting (Metric)

Symbol	A, B port	SY5000	SY7000
C6	ø6	●	●

⓬ Type of mounting screw

Nil	Round head combination screw
B	Hexagon socket head cap screw
K	Round head combination screw (Drop prevention type)
H	Hexagon socket head cap screw (Drop 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. Refer to page 198 for base gasket and mounting screw part numbers
* "B" and "H" cannot be selected for the individual SUP/EXH spacer assembly or interface regulator.

⓭ Pressure sensor

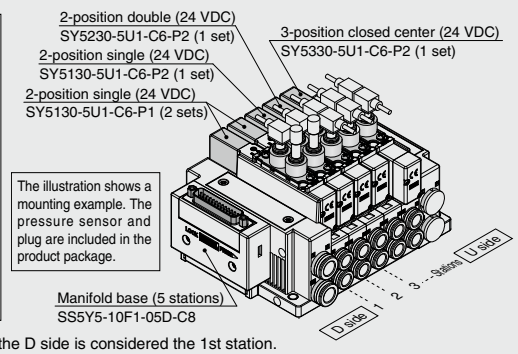
Symbol	Included quantity
P1	1 pc.
P2	2 pcs.

* The top-ported type valve and the C6 (ø6) One-touch fitting are used.
* The PSE540-R06 pressure sensor is included in the product package.
* When "P1" is selected, one plug (KQ2P-06) is included in the product package.

How to Order Manifold Assembly

Example (SS5Y5-10F1-□)

SS5Y5-10F1-05D-C8
…1 set (Type 10 5-station manifold base part no.)
***SY5130-5U1-C6-P1**
…2 sets (2-position single part no.)
***SY5130-5U1-C6-P2**
…1 set (2-position double part no.)
***SY5230-5U1-C6-P2**
…1 set (2-position double part no.)
***SY5330-5U1-C6-P2**
…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.