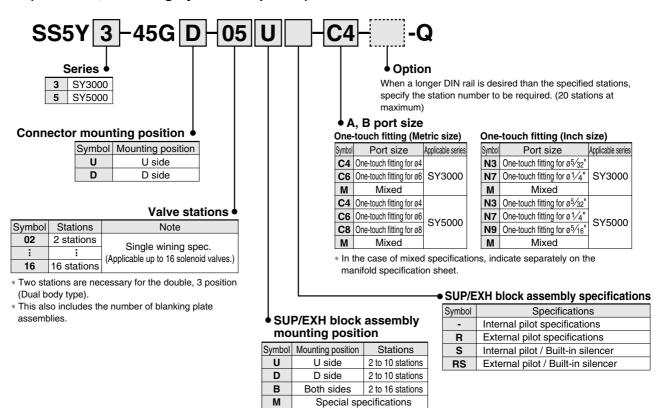


How to Order Manifold

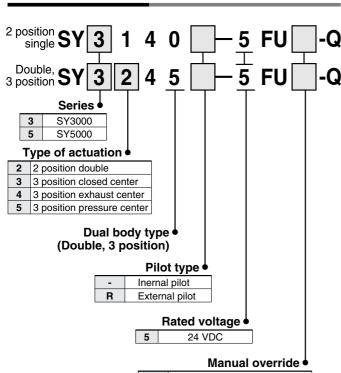
How to Order Valve

Type 45G (Flat cable, PC Wiring System compatible)

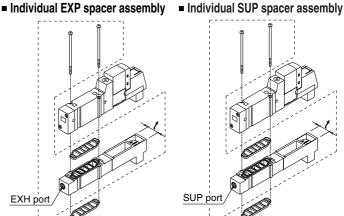


 For special specifications, indicate separately by the manifold specification sheet.

Manifold Option

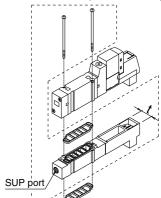


| | Mariual Override |
|---|--------------------------------|
| - | Non-locking push type |
| D | Push-turn locking slotted type |
| Е | Push-turn locking lever type |



| Series | Assembly part no. | Port no. | t | | | | |
|--------------------------------|-------------------|----------|----|--|--|--|--|
| | SY3000-39-3A | M5 | 11 | | | | |
| SY5000 | SY5000-39-17*A-Q | 1/8 | 15 | | | | |
| Note) Please be careful becau- | | | | | | | |

se the dual body type (double solenoid, 3-position) requires two pieces. In this case, the exhaust is performed in the direction of the arrow mark indicated on the valve surface.



| Series | Assembly part no. | Port no. | t |
|--------|-------------------|----------|----|
| | SY3000-38-3A | | 11 |
| SY5000 | SY5000-38-17*A-Q | 1/8 | 15 |

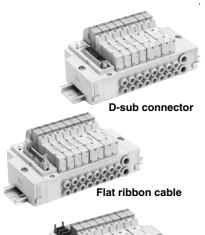
Note) Please be careful because the dual body type (double solenoid, 3-position) requires two pieces. In this case, both supply ports require the piping.

* Thread type

| - | Rc |
|---|------|
| F | G |
| N | NPT |
| Т | NPTF |



Manifold Specifications



| Madal | Model | | D-sub connector | Flat ribb | on cable Type | e 45P□ | Termin | al block | Flat ribbon cable PC wiring system compatible |
|---------------|----------------------|-----------|---|---|--|--|----------------------------------|-----------------------------------|--|
| Model | | | Type 45F | Type 45P | Type 45PG | Type 45PH | Type 45T | Type 45T1 | Type 45G |
| Manifold | | | | | | Plug-in | | | |
| P (SUP)/R | (EXH) | | | | Common | SUP, Commo | n EXH | | |
| Valve stati | ons Note | 1, 2) | 2 to 2 | 0 stations | 2 to 16 stations | 2 to 8 st | ations | 2 to 17 stations | 2 to 16 stations |
| A, B port | | Location | | | | Base | | | |
| Porting speci | ifications | Direction | | | | Side | | | |
| | D D nort | SY3000 | | | C8 (One | -touch fitting fo | or ø8) | | |
| Port size | P, R port | SY5000 | | C10 (One-touch fitting for ø10) | | | | | |
| | A D nort | SY3000 | | C4 (One-touch fitting for ø4)/C6 (One-touch fitting for ø6) | | | | | |
| | A, B port | SY5000 | C4 (One-touch fitting for ø4)/C6 (One-touch fitting for ø6)/C8 (One-touch fitting for ø8) | | | | | | |
| Applicable | Applicable connector | | Complies with MIL-C-24308 | Socket: 26 pins MIL type with strain relief | Flat ribbon cable connector Socket: 20 pins MIL type with strain relief Conforming to MIL-C-83503 | Socket: 10 pins MIL type with strain relief | Terminal block (M3) 9 pins | Terminal block (M3) 18 pins | Flat ribbon cable connector Socket: 20 pins MIL type with strain relief Conforming to MIL-C-83503 |
| Internal wi | ring | | +COM (Type 45□), -COM (Type 45N□) In common between +COM and -COM. + COM | | | | | + COM | |
| Manifold b | ase | SY3000 | 2 to 10 stations: W = 26n + 172 | | | | | | |
| weight w (| weight w (g) | | 11 to 20 stations: W = 26n + 199 | | | | | | |
| n: Stations | n: Stations | | 2 to 10 stations: W = 54n + 227 | | | | | | |
| (D-sub con | nector) | SY5000 | | 11 to 20 stations: W = 52n + 264 | | | | | |

Note 1) For more than 11 stations, supply pressure to P port on both sides and exhaust from R port on both sides. Note 2) There is a limit depending on the number of solenoids. Refer to "How to Order".

Flow Characteristics

| | Dort | oizo | Flow share storiction | | | | | | | | |
|-----------|-----------|--------|---|----------------------|------|----------------|-----------------|------|-------------------|----------------|----------|
| | Port | Size | | Flow characteristics | | | | | | | |
| Model | 1 ,5 ,3 | 4 ,2 | $1 \rightarrow 4/2 \ (P \rightarrow A/B)$ | | | ,2 1 → 4/2 | | 4/2 | $\rightarrow 5/3$ | 3 (A/B | → EA/EB) |
| | (P,EA,EB) | (A ,B) | C (dm3/(s-bar)) | b | Cv | Q[e/min(ANR)]* | C (dm3/(s-bar)) | b | Cv | Q[e/min(ANR)]* | |
| SS5Y3-45□ | C8 | C6 | 0.88 | 0.21 | 0.22 | 212 | 0.95 | 0.18 | 0.22 | 225 | |
| SS5Y5-45□ | C10 | C8 | 2.2 | 0.24 | 0.53 | 539 | 2.5 | 0.18 | 0.58 | 592 | |

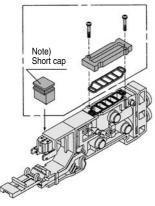
Note) The value is for manifold base with 5 stations and individually operated 2 position type.

* These values have been calculated according to ISO6358 and represent the flow rate measured in standard conditions at an upstream pressure of 0.6 MPa (relative pressure) and a differential pressure of 0.1MPa.

Manifold Option

■ Blanking plate assembly

Terminal block



| Series | Assembly part no. |
|--------|-------------------|
| SY3000 | SX3000-75-2A-Q |
| SY5000 | SX5000-76-2A-Q |

Note)• When mounting blanking plate, be sure to mount a short cap.

 Two stations are necessary for the double, 3 position (Dual body type).

■SUP blocking disk

By installing a SUP blocking disk in the pressure supply passage of a manifold valve, it is possible to supply two or more different high and low pressures to one manifold.



| Series | No. |
|--------|--------------|
| SY3000 | SX3000-77-1A |
| SY5000 | SX5000-77-1A |

■ EXH blocking disk

By installing an EXH blocking disk in the exhaust passage of a manifold valve, it is possible to divide the valve's exhaust so that it does not affect another valve. (Two blocking disks are needed to divide both exhausts.)



| Series | No. | | | |
|--------|--------------|--|--|--|
| SY3000 | SX3000-77-1A | | | |
| SY5000 | SX5000-77-1A | | | |

■ Label for block disk

The labels shown below are used on manifold stations containing SUP/EXH block disk(s) to show their location. (3 pcs. each)

VZ3000-123-1A (In common with SY3000, 5000)

Label for SUP block disk Label for EXH block disk Label for SUP/EXH block disk

Note) When a block disk is concurrently ordered by specifying on the manifold specification



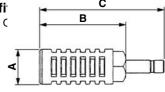




sheet, etc., a label will be stuck on the position where block disk is mounted.

Silencer with One-touch fi

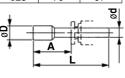
The silencer plugs directly into the C touch fittings of the manifold.



| Series | Model | Effective area | Α | В | С |
|------------------|------------|--------------------|-----|------|------|
| For SY3000 (Ø8) | AN203-KM8 | 14 mm ² | ø16 | 26 | 51 |
| Ear CVE000 (~10) | AN200-KM10 | 26 mm ² | ø22 | 53.8 | 80.8 |
| For SY5000 (Ø10) | AN300-KM10 | 30 mm ² | ø25 | 70 | 97 |

■ Plug (white)

These are inserted in unused cylinder ports and SUP, EXH ports. Purchasing order is available in units of 10 pieces.



Dimensions

| Applicable fittings size ød | Model | Α | L | D |
|-----------------------------|---------|------|------|-----|
| 4 | KQ2P-04 | 16 | 32 | 6 |
| 6 | KQ2P-06 | 18 | 35 | 8 |
| 8 | KQ2P-08 | 20.5 | 39 | 10 |
| 10 | KQ2P-10 | 22 | 43 | 12 |
| 1/8" | KQ2P-01 | 16 | 31.5 | 5 |
| 5/32" | KQ2P-03 | 16 | 32 | 6 |
| 1/4" | KQ2P-07 | 18 | 35 | 8.5 |
| 5/16" | KQ2P-09 | 20.5 | 39 | 10 |

⚠ Caution

Mounting screw tightening torques

M2: 0.17 N·m M3: 0.8 N·m M4: 1.4 N·m

