

Manifold Specifications

| Model | | D-sub connector Type 45F | Flat ribbon cable type 45P□ | | | Terminal block | | Flat ribbon cable PC wiring system compatible | |
|---|-----------|-----------------------------|---|---|---|---|-------------------------------|---|---|
| | | | Type 45P | Type 45PG | Type 45PH | Type 45T | Type 45T1 | Type 45G | |
| Manifold | | | Plug-in type | | | | | | |
| P(SUP), R(EXH) | | | Common SUP/Common EXH | | | | | | |
| Valve stations (Note) | | | 2 to 20 stations | 2 to 16 stations | 2 to 8 stations | | 2 to 17 stations | 2 to 16 stations | |
| A, B porting specifications | | Location | Base | | | | | | |
| | | Direction | Side | | | | | | |
| Port size | P, R port | SX3000 | C8 (One-touch fitting for ø8) | | | | | | |
| | | SX5000 | C10 (One-touch fitting for ø10) | | | | | | |
| | A, B port | SX3000 | C4 (One-touch fitting for ø4)/C6 (One-touch fitting for ø6) | | | | | | |
| | | SX5000 | C4 (One-touch fitting for ø4)/C6 (One-touch fitting for ø6)/C8 (One-touch fitting for ø8) | | | | | | |
| Connector | | | D-sub connector: Conforms to MIL-C-24308 | Flat ribbon cable connector socket: 26 pins MIL with strain relief; Conforming to MIL-C-83503 | Flat ribbon cable connector socket: 20 pins MIL with strain relief; Conforming to MIL-C-83503 | Flat ribbon cable connector socket: 10 pins MIL with strain relief; Conforming to MIL-C-83503 | Terminal block (M3) 9 pins | Terminal block (M3) 18 pins | Flat ribbon cable connector socket: 20 pins MIL with strain relief; Conforming to MIL-C-83503 |
| Internal wiring | | | +COM (Type 45□), -COM (Type 45N□) | | | In common between +COM and -COM. | | + COM | |
| Manifold base weight W (g) n: Stations (D-sub connector) | | SX3000 | 2 to 10 stations: W = 26n + 172 11 to 20 stations: W = 26n + 199 | | | | | | |
| | | SX5000 | 2 to 10 stations: W = 54n + 227 11 to 20 stations: W = 54n + 264 | | | | | | |

Note) There is a limit to the number of stations available depending on the number of solenoids required. Please refer to the "How to Order". For more than 10 stations, supply pressure through the "P" ports at both ends of the manifold exhaust through both ends as well.

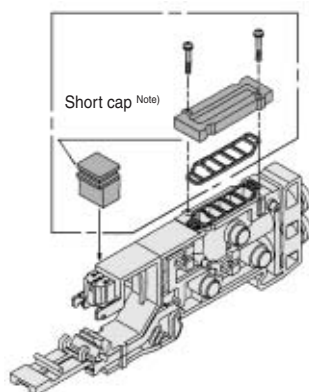
Flow Characteristics

| Model | Port size | | Flow characteristics | | | | | |
|-----------|---------------------|-------------|-------------------------------|------|------|-------------------------------|------|------|
| | | | 1 → 4/2 (P → A/B) | | | 4/2 → 5/3 (A/B → EA/EB) | | |
| | 1, 5, 3 (P, EA, EB) | 4, 2 (A, B) | C [dm ³ / (s-bar)] | b | Cv | C [dm ³ / (s-bar)] | b | Cv |
| SS5X3-45I | C8 | C6 | 0.88 | 0.21 | 0.22 | 0.95 | 0.18 | 0.22 |
| SS5X5-45I | C10 | C8 | 2.2 | 0.24 | 0.53 | 2.5 | 0.18 | 0.58 |

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

Manifold Option

Blanking plate assembly



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

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

SUP block disk

By installing a SUP block 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 | Part no. |
|--------|--------------|
| SX3000 | SX3000-77-1A |
| SX5000 | SX5000-77-1A |

EXH block disk

By installing an EXH block 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 block disks are needed to divide both exhausts.)



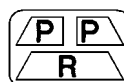
| Series | Part no. |
|--------|--------------|
| SX3000 | SX3000-77-1A |
| SX5000 | SX5000-77-1A |

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 between SX3000 and 5000)

Label for SUP block disk



Label for EXH block disk



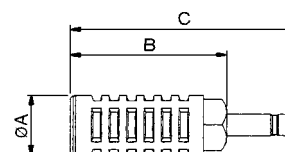
Label for SUP/EXH block disk



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 fitting

This silencer can be mounted on the manifold's port R (exhaust) with a single touch.



| Series | Model | Effective area | A | B | C |
|--------------|------------|--------------------|----|------|------|
| SX3000 (ø8) | AN203-KM8 | 14 mm ² | 16 | 26 | 51 |
| | AN200-KM10 | 26 mm ² | 22 | 53.8 | 80.8 |
| SX5000 (ø10) | AN300-KM10 | 30 mm ² | 25 | 70 | 97 |