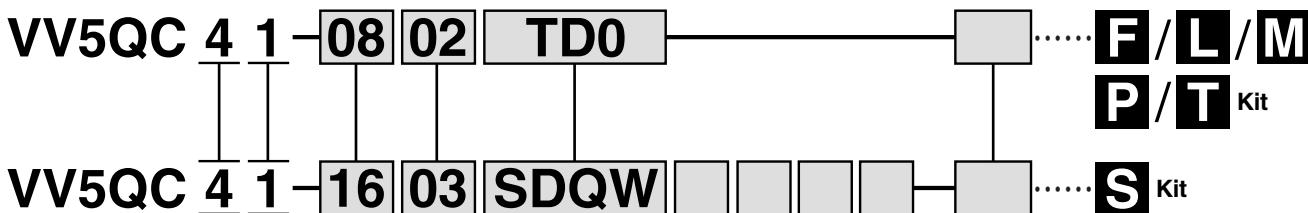


Series VQC4000

Base Mounted Plug-in Unit

How to Order Manifold



Series
4 VQC4000

Manifold model
1 Plug-in unit

Stations
01 1 station
⋮
⋮

The maximum number of stations differs depending on the electrical entry.

Cylinder port size

| | |
|-----|----------------------------|
| C8 | With ø8 One-touch fitting |
| C10 | With ø10 One-touch fitting |
| C12 | With ø12 One-touch fitting |
| 02 | Rc 1/4 |
| 03 | Rc 3/8 |
| B | Bottom ported Rc 1/4 |
| CM | Mixed |

Note 1) Indicate the size in the specification order sheet in the case of "CM".
Note 2) Symbols for inch sizes are as follows:
-For One-touch fittings
N7: ø1/4"
N9: ø5/16"
N11: ø3/8"
NM: Mixed

Option

| | |
|-----|---|
| Nil | None |
| K | Special wiring specifications (except for double wiring) ^{Note 1)} |
| N | With name plate (available for T kit only) ^{Note 2)} |

* When specifying more than one option, enter symbols in alphabetical order. Example: -KN
Note 1) Be sure to indicate the wiring specifications on the specification order sheet.
Note 2) The mounting position of the name plate is on the top face of the cover for the terminal block box.

Input block COM. (Fill out for I/O unit only)

| | |
|-----|--|
| Nil | PNP (+) or without SI unit/input block |
| N | NPN (-) |

Input block (Fill out for I/O unit only)

| | |
|-----|--------------------------------------|
| Nil | Without SI unit/input block (SD0(W)) |
| 0 | Without input block |
| 1 | With 1 input block |
| ⋮ | ⋮ |
| 8 | With 8 input blocks |

Note) Max. 4 for EX240 and max 8 for EX250.

SI unit COM.

| SI unit COM | EX240 | | | EX250 | | | | EX500 | | | | EX126 |
|-------------|-----------|-------------|-----------|-------------|---------|------|---------|-----------|-------------|---------|------------|---------|
| | DeviceNet | PROFIBUS-DP | DeviceNet | PROFIBUS-DP | CC-LINK | AS-i | CANopen | DeviceNet | PROFIBUS-DP | CC-LINK | Remote I/O | CC-LINK |
| Nil +COM | ○ | — | — | — | ○ | — | — | ○ | ○ | ○ | ○ | ○ |
| N -COM | — | ○ | ○ | ○ | — | ○ | ○ | ○ | ○ | ○ | ○ | — |

Note) Leave the box blank for the SI unit COM. without SI unit (SD0).

Input block type (Fill out for I/O unit only)

| | |
|-----|-----------------------|
| Nil | Without input block |
| 0 | M12, 8 inputs (EX240) |
| 1 | M12, 2 inputs (EX250) |
| 2 | M12, 4 inputs (EX250) |
| 3 | M8, 4 inputs (EX250) |

Kit Designation/Electrical Entry/Cable Length

| S Kit (Decentralized wiring type serial kit) | | S Kit (I/O serial kit) | | S Kit (I/O serial transmission kit) | | S Kit (Serial output kit) | |
|---|--|---|--|---|----------------------------|---|------------------------|
| | | | | | | | |
| Serial unit: EX500 IP67 compliant | | Serial unit: EX250 IP67 compliant | | Serial unit: EX240 IP65 compliant | | Serial unit: EX126 IP67 compliant | |
| SD0 | Serial kit without SI unit | SD0 | Serial kit without SI unit | SD0W | Serial kit without SI unit | SDVB | Serial kit for CC-LINK |
| SDA1 | Serial kit for Remote I/O | SDY | Serial kit for CANopen | SDQW | Serial kit for DeviceNet | | |
| SDA2 | Serial kit for DeviceNet/PROFIBUS-DP/CC-LINK | SDQ | Serial kit for DeviceNet | SDNW | Serial kit for PROFIBUS-DP | | |
| | 1 to 8 stations (16 stations) | SDN | Serial kit for PROFIBUS-DP | | | | |
| | | SDV | Serial kit for CC-LINK | | | | |
| | | SDTA | AS-i, 8 in/out, 31 slave modes, 2 power supply systems | | | | |
| | | SDTB | AS-i, 4 in/out, 31 slave modes, 2 power supply systems | | | | |
| | | SDTC | AS-i, 8 in/out, 31 slave modes, 1 power supply systems | | | | |
| | | SDTD | AS-i, 4 in/out, 31 slave modes, 1 power supply systems | | | | |
| | | | 1 to 12 stations (24 stations) | | | | |
| | | | 1 to 2 stations (4 stations) | | | | |
| | | | 1 to 4 stations (8 stations) | | | | |
| | | | 1 to 2 stations (4 stations) | | | | |
| | | | 1 to 2 stations (4 stations) | | | | |
| | | | 1 to 8 stations (16 stations) | | | | |

- VQC
- SQ
- VQ0
- VQ4
- VQ5
- VQZ
- VQD

How to Order Valves

VQC 4 1 0 0 [] - 5 [] []

Series

4 VQC4000

Type of actuation

| | | | |
|---|---|---|---|
| 1 | 2 position single (A)(B) 4 2 5 1 3 (R1)(P)(R2) | 4 | 3 position exhaust center (A)(B) 4 2 5 1 3 (R1)(P)(R2) |
| | 2 position double (metal) (A)(B) 4 2 5 1 3 (R1)(P)(R2) | | 3 position pressure center (A)(B) 4 2 5 1 3 (R1)(P)(R2) |
| 2 | 2 position double (rubber) (A)(B) 4 2 5 1 3 (R1)(P)(R2) | 6 | 3 position perfect (A)(B) 4 2 5 1 3 (R1)(P)(R2) |
| | 3 position closed center (A)(B) 4 2 5 1 3 (R1)(P)(R2) | | |

Light/Surge voltage suppressor

| | |
|-----|--|
| Nil | With |
| E | Without light, with surge voltage suppressor |

Coil voltage

| | |
|---|----------------------------|
| 5 | 24 VDC <small>Note</small> |
| 6 | 12 VDC |

Note) S kit is only available for 24 VDC.

Function

| | |
|-----|--------------------------|
| Nil | Standard type (1 W) |
| R | External pilot |
| Y | Low wattage type (0.5 W) |

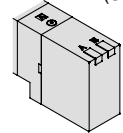
* When specifying more than one option, enter symbols in alphabetical order.

Seal type

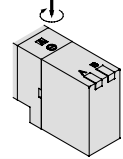
| | |
|---|-------------|
| 0 | Metal seal |
| 1 | Rubber seal |

Manual override

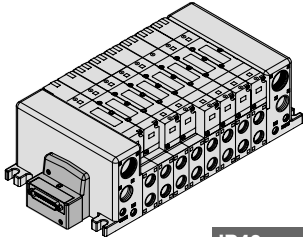
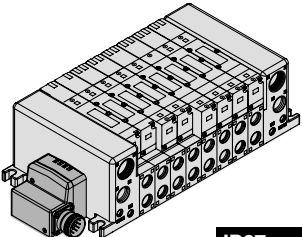
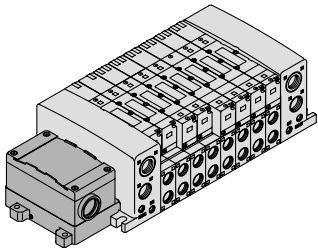
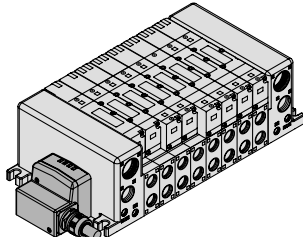
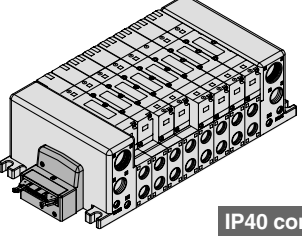
Nil: Non-locking push type (Slotted)



B: Locking type (Slotted)

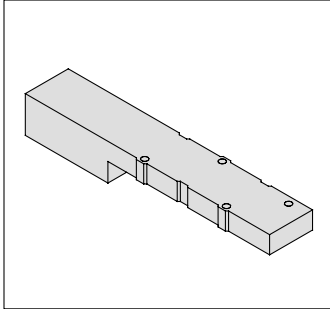


Kit Designation/Electrical Entry/Cable Length

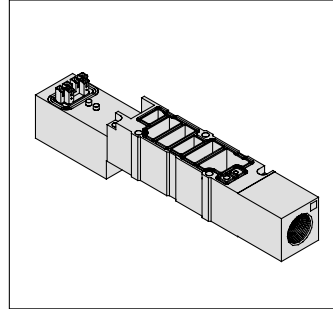
| | | | | | |
|--|---|---|---|--|---|
| F Kit (D-sub connector kit)  IP40 compliant | M Kit (Multiple connector kit)  IP67 compliant | T Kit (Terminal block box kit)  IP67 compliant | | | |
| | | | FD0 D-sub connector kit (25P) without cable | MD0 Multiple connector kit (26P) without cable | TD0 Terminal block box kit 1 to 10 stations (16 stations) |
| | | | FD1 D-sub connector kit (25P) with 1.5 m cable | MD1 Multiple connector kit (26P) with 1.5 m cable | <small>Note</small>) P kit: when using the flat ribbon cable kit (20P), order cable assemblies separately. |
| | | | FD2 D-sub connector kit (25P) with 3.0 m cable | MD2 Multiple connector kit (26P) with 3.0 m cable | |
| FD3 D-sub connector kit (25P) with 5.0 m cable | MD3 Multiple connector kit (26P) with 5.0 m cable | | | | |
| L Kit (Lead wire kit)  IP67 compliant | P Kit (Flat ribbon cable kit)  IP40 compliant | | | | |
| | | LD0 Lead wire kit 0.6 m lead wire | PD0 Flat ribbon cable kit (26P) without cable | | |
| | | LD1 Lead wire kit 1.5 m lead wire | PD1 Flat ribbon cable kit (26P) with 1.5 m cable | | |
| | | LD2 Lead wire kit 3.0 m lead wire | PD2 Flat ribbon cable kit (26P) with 3.0 m cable | | |
| | LD3 Lead wire kit 5.0 m lead wire | PD3 Flat ribbon cable kit (26P) with 5.0 m cable | | | |
| | PDC Flat ribbon cable kit (20P) without cable <small>Note</small>) | PD4 Flat ribbon cable kit (20P) without cable <small>Note</small>) | | | |

Manifold Option

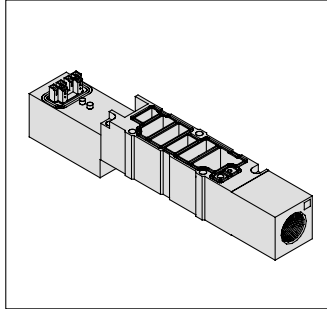
Blanking plate assembly
VVQ4000-10A-1



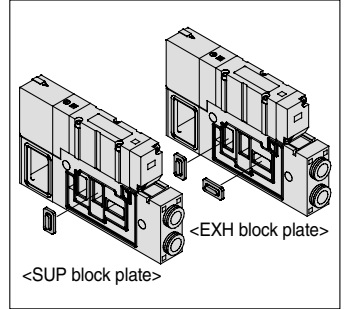
Individual SUP spacer
VVQ4000-P-1-02
03



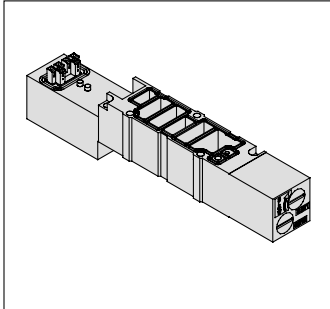
Individual EXH spacer
VVQ4000-R-1-02
03



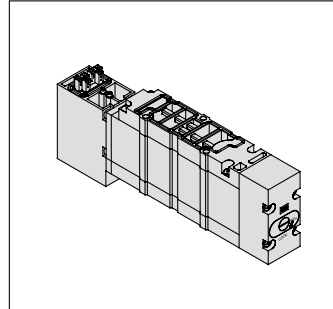
SUP/EXH block plate
VVQ4000-16A



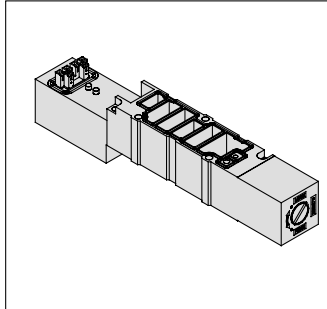
Throttle valve spacer
VVQ4000-20A-1



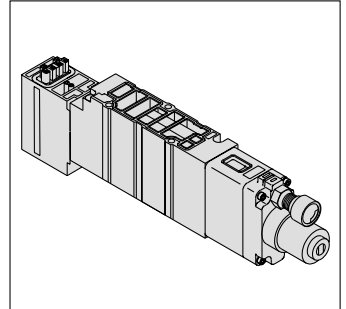
Residual pressure release valve
perfect spacer
VVQ4000-25A-1 (Note 1)



SUP stop valve spacer
VVQ4000-37A-1



Interface regulator
ARBQ4000-00-0-1



VQC

SQ

VQ0

VQ4

VQ5

VQZ

VQD



Note 1) Perfect spacers with residual pressure release valve cannot be combined with external pilot specifications.

Series VQC

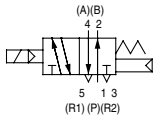
Base Mounted

Plug-in Unit

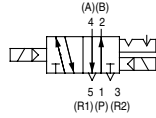


JIS Symbol

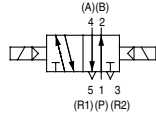
2 position single



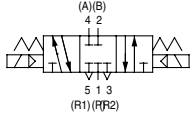
2 position double (metal)



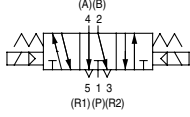
2 position double (rubber)



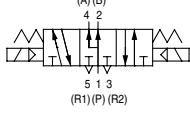
3 position closed center



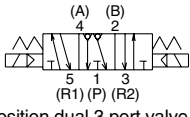
3 position exhaust center



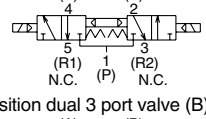
3 position pressure center



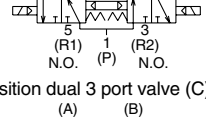
3 position exhaust center with pressure release valves



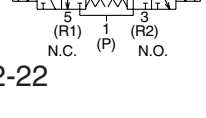
4 position dual 3 port valve (A)



4 position dual 3 port valve (B)



4 position dual 3 port valve (C)



Model

| Series | No. of solenoids | Model | Flow characteristics | | | | | | Response time (ms) ^{Note 2)} | | Weight (g) | | |
|------------|-------------------|-----------------|-----------------------------------|---------|----------------|------------------------------|------|----------------|---------------------------------------|-------------|------------|------------|-----|
| | | | 1 → 4, 2 (P → A, B) | | | 4, 2 → 5, 3 (A, B → R1, R2) | | | Standard: 1 W | Low wattage | | | |
| | | | C [dm ³ /(s·bar)] | b | C _v | C [dm ³ /(s·bar)] | b | C _v | | | | | |
| VQC1000 | 2 position | Single | Metal seal | VQC1100 | 0.70 | 0.15 | 0.16 | 0.72 | 0.25 | 0.18 | 12 or less | 15 or less | 64 |
| | | | Rubber seal | VQC1101 | 0.85 | 0.20 | 0.21 | 1.0 | 0.30 | 0.25 | 15 or less | 20 or less | |
| | | Double | Metal seal | VQC1200 | 0.70 | 0.15 | 0.16 | 0.72 | 0.25 | 0.18 | 10 or less | 13 or less | |
| | | | Rubber seal | VQC1201 | 0.85 | 0.20 | 0.21 | 1.0 | 0.30 | 0.25 | 15 or less | 20 or less | |
| | 3 position | Closed center | Metal seal | VQC1300 | 0.68 | 0.15 | 0.16 | 0.72 | 0.25 | 0.18 | 20 or less | 26 or less | 78 |
| | | | Rubber seal | VQC1301 | 0.70 | 0.20 | 0.16 | 0.65 | 0.42 | 0.18 | 25 or less | 33 or less | |
| | | Exhaust center | Metal seal | VQC1400 | 0.68 | 0.15 | 0.16 | 0.72 | 0.25 | 0.18 | 20 or less | 26 or less | |
| | | | Rubber seal | VQC1401 | 0.70 | 0.20 | 0.16 | 1.0 | 0.30 | 0.25 | 25 or less | 33 or less | |
| | | Pressure center | Metal seal | VQC1500 | 0.70 | 0.15 | 0.16 | 0.72 | 0.25 | 0.18 | 20 or less | 26 or less | |
| | | | Rubber seal | VQC1501 | 0.85 | 0.20 | 0.21 | 0.65 | 0.42 | 0.18 | 25 or less | 33 or less | |
| 4 position | Dual 3 port valve | Rubber seal | VQC1 ^A _C 01 | 0.70 | 0.20 | 0.16 | 0.70 | 0.20 | 0.16 | 25 or less | 33 or less | | |
| VQC2000 | 2 position | Single | Metal seal | VQC2100 | 2.0 | 0.15 | 0.46 | 2.6 | 0.15 | 0.60 | 22 or less | 29 or less | 90 |
| | | | Rubber seal | VQC2101 | 2.2 | 0.28 | 0.55 | 3.2 | 0.30 | 0.80 | 24 or less | 31 or less | |
| | | Double | Metal seal | VQC2200 | 2.0 | 0.15 | 0.46 | 2.6 | 0.15 | 0.60 | 15 or less | 20 or less | |
| | | | Rubber seal | VQC2201 | 2.2 | 0.28 | 0.55 | 3.2 | 0.30 | 0.80 | 20 or less | 26 or less | |
| | 3 position | Closed center | Metal seal | VQC2300 | 2.0 | 0.15 | 0.46 | 2.0 | 0.18 | 0.46 | 29 or less | 38 or less | 110 |
| | | | Rubber seal | VQC2301 | 2.0 | 0.28 | 0.49 | 2.2 | 0.31 | 0.60 | 34 or less | 44 or less | |
| | | Exhaust center | Metal seal | VQC2400 | 2.0 | 0.15 | 0.46 | 2.6 | 0.15 | 0.60 | 29 or less | 38 or less | |
| | | | Rubber seal | VQC2401 | 2.0 | 0.28 | 0.49 | 3.2 | 0.30 | 0.80 | 34 or less | 44 or less | |
| | | Pressure center | Metal seal | VQC2500 | 2.4 | 0.17 | 0.57 | 2.0 | 0.18 | 0.46 | 29 or less | 38 or less | |
| | | | Rubber seal | VQC2501 | 3.2 | 0.28 | 0.80 | 2.2 | 0.31 | 0.60 | 34 or less | 44 or less | |
| 4 position | Dual 3 port valve | Rubber seal | VQC2 ^A _C 01 | 1.8 | 0.28 | 0.46 | 1.8 | 0.28 | 0.46 | 34 or less | 44 or less | | |
| VQC4000 | 2 position | Single | Metal seal | VQC4100 | 6.2 | 0.19 | 1.5 | 6.9 | 0.17 | 1.7 | 20 or less | 22 or less | 230 |
| | | | Rubber seal | VQC4101 | 7.2 | 0.43 | 2.1 | 7.3 | 0.38 | 2.0 | 25 or less | 27 or less | |
| | | Double | Metal seal | VQC4200 | 6.2 | 0.19 | 1.5 | 6.9 | 0.17 | 1.7 | 12 or less | 12 or less | |
| | | | Rubber seal | VQC4201 | 7.2 | 0.43 | 2.1 | 7.3 | 0.38 | 2.0 | 15 or less | 15 or less | |
| | 3 position | Closed center | Metal seal | VQC4300 | 5.9 | 0.23 | 1.5 | 6.3 | 0.18 | 1.6 | 45 or less | 47 or less | 280 |
| | | | Rubber seal | VQC4301 | 7.0 | 0.34 | 1.9 | 6.4 | 0.42 | 1.9 | 50 or less | 52 or less | |
| | | Exhaust center | Metal seal | VQC4400 | 6.2 | 0.18 | 1.5 | 6.9 | 0.17 | 1.7 | 45 or less | 47 or less | |
| | | | Rubber seal | VQC4401 | 7.0 | 0.38 | 1.9 | 7.3 | 0.38 | 2.0 | 50 or less | 52 or less | |
| | | Pressure center | Metal seal | VQC4500 | 6.2 | 0.18 | 1.9 | 6.4 | 0.18 | 1.6 | 45 or less | 47 or less | |
| | | | Rubber seal | VQC4501 | 7.0 | 0.38 | 1.9 | 7.1 | 0.38 | 2.0 | 50 or less | 52 or less | |
| Perfect | Metal seal | VQC4600 | 2.7 | — | — | 3.7 | — | — | 55 or less | 57 or less | 500 | | |
| | Rubber seal | VQC4601 | 2.8 | — | — | 3.9 | — | — | 62 or less | 64 or less | | | |



Note 1) Values represented in this column are in the following conditions:

VQC1000: Cylinder port size C6 without a back pressure check valve

VQC2000: Cylinder port size C8 without a back pressure check valve

VQC4000: Cylinder port size Rc 3/8

Note 2) Values represented in this column are based on JIS B 8375-1981 (operating with clean air and a supply pressure of 0.5 MPa. Equipped with light/surge voltage suppressor. Values vary depending on the pressure as well as the air quality.) Values for double types are when the switch is ON.

Standard Specifications

| Valve Configuration | | Metal seal | Rubber seal | | |
|--|-------------------------------|---|----------------------------------|-------------------|----------|
| Fluid | | Air/Inert gas | | | |
| Valve specifications | VQC1000/2000 | Max. operating pressure | | | |
| | | 0.7 MPa (High pressure type: 1.0 MPa) ^{Note 4)} | | | |
| | | Min. operating pressure | Single | 0.1 MPa | 0.15 MPa |
| | | | Double | 0.1 MPa | |
| | | | 3 position | 0.1 MPa | 0.2 MPa |
| | 4 position | | — | 0.15 MPa | |
| | VQC4000 | Max. operating pressure ^{Note 3)} | | 1.0 MPa (0.7 MPa) | |
| | | Min. operating pressure | Single | 0.15 MPa | 0.2 MPa |
| | | | Double | 0.15 MPa | |
| | 3 position | 0.15 MPa | 0.2 MPa | | |
| Proof pressure | | 1.5 MPa | | | |
| Ambient and fluid temperature | | -10 to 50°C ^{Note 1)} | | | |
| Lubrication | | Not required | | | |
| Manual override | | Push type/Locking type (tool required)/Locking type (Manual override) ^{Note 5)} /Slide locking type ^{Note 5)} | | | |
| Impact resistance/Vibration resistance | | 150/30 m/s ² ^{Note 2)} | | | |
| Enclosure | | Dust proof (IP67 compliant) | | | |
| Electrical specifications | Rated coil voltage | | 24 VDC | | |
| | Allowable voltage fluctuation | | ±10% of rated voltage | | |
| | Coil insulation type | | Equivalent to B type | | |
| | Power consumption (Current) | 24 VDC | 1 W DC (42 mA), 0.5 W DC (21 mA) | | |
| | | 12 VDC | 1 W DC (83 mA), 0.5 W DC (42 mA) | | |

- VQC
- SQ
- VQ0
- VQ4
- VQ5
- VQZ
- VQD

Note 1) Use dry air to prevent condensation at low temperatures.
 Note 2) **Impact resistance:** No malfunction resulted from the impact test using a drop impact tester. The test was performed one time each in the axial and right angle directions of the main valve and armature, for both energized and de-energized states.
Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000Hz. Test was performed in the axial and right angle directions of the main valve and armature for both energized and de-energized states.
 Note 3) Values in () are for the low wattage (0.5 W) specification.
 Note 4) Metal seal type only.
 Note 5) Only for VQC1000/2000.

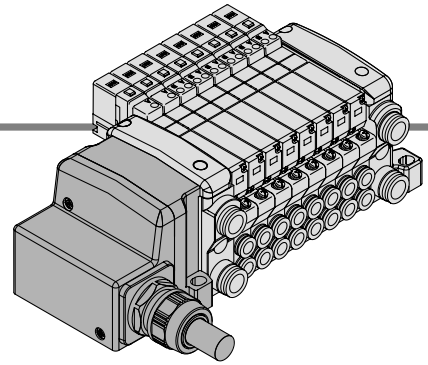
Manifold Specifications

| Series | Base model | Connection type | Piping specifications | | Applicable stations ^{Note 2)} | Applicable solenoid valves | 5 station weight (g) |
|---------|-------------|---|------------------------|--|--|----------------------------|--|
| | | | Port direction | Port size ^{Note 1)} | | | |
| VQC1000 | VV5QC11-□□□ | <ul style="list-style-type: none"> ■ F Kit: D-sub connector ■ P Kit: Flat cable ■ T Kit: Terminal block box ■ S Kit: Serial transmission ■ L Kit: Lead wire ■ M Kit: Multiple connector | Side | C8 (For ø8) Options Direct outlet with built-in silencer C3 (For ø3.2) C4 (For ø4) C6 (For ø6) M5 (M5 threads) | (F, L, M and P kits) 1 to 12 stations T kit 1 to 10 stations S kit 1 to 8 stations: EX500 1 to 12 stations: EX250 1 to 8 stations: EX126 | VQC1□00-5 VQC1□01-5 | 628 (Single) 759 (Double, 3P) |
| VQC2000 | VV5QC21-□□□ | | Side | C10 (For ø10) Options Direct outlet with built-in silencer Branch type C12 (for ø12) C4 (For ø4) C6 (For ø6) C8 (For ø8) | 1 to 8 stations: EX500 1 to 12 stations: EX250 1 to 8 stations: EX126 | VQC2□00-5 VQC2□01-5 | 1051 (Single) 1144 (Double, 3P) |
| VQC4000 | VV5QC41-□□□ | | Side Bottom | C8 (For ø8) C10 (For ø10) C12 (For ø12) Rc 1/4 Rc 3/8 Rc 1/4 | (F, L, M and P kits) 1 to 12 stations T kit 1 to 10 stations S kit 1 to 12 stations: EX240, EX250 1 to 8 stations: EX500 1 to 8 stations: EX126 | VQC4□00-5 VQC4□01-5 | 4150 • S kit (without unit) • Solenoid weight is not included. |

Note 1) One-touch fittings in inch sizes are also available.
 Note 2) An optional specification for special wiring is available to increase the maximum number of stations.

Series VQC

L VQC1000/2000/4000
Kit (Lead wire kit) IP67 compliant

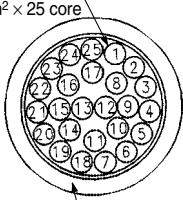


- Direct electrical entry type.
- IP67 enclosure is available with use of cables with sheath and waterproof connectors.

Electrical Wiring Specifications

Lead wire specifications

Lead wire
0.3 mm² × 25 core



Sheath
Colour: Urban white

As the standard electrical wiring specification used is for 12 stations or less, double wiring (connected to SOL. A and SOL. B) is used for the internal wiring of each station regardless of valve and option types. Mixed single and double wiring are available as options. Refer to special wiring specifications (options) below.

| | Terminal no. | Polarity | | Lead wire colour | Dot marking |
|------------|--------------|----------|-----|------------------|-------------|
| Station 1 | SOL. A 1 | (-) | (+) | Black | None |
| | SOL. B 14 | (-) | (+) | Yellow | Black |
| Station 2 | SOL. A 2 | (-) | (+) | Brown | None |
| | SOL. B 15 | (-) | (+) | Pink | Black |
| Station 3 | SOL. A 3 | (-) | (+) | Red | None |
| | SOL. B 16 | (-) | (+) | Blue | White |
| Station 4 | SOL. A 4 | (-) | (+) | Orange | None |
| | SOL. B 17 | (-) | (+) | Purple | None |
| Station 5 | SOL. A 5 | (-) | (+) | Yellow | None |
| | SOL. B 18 | (-) | (+) | Grey | None |
| Station 6 | SOL. A 6 | (-) | (+) | Pink | None |
| | SOL. B 19 | (-) | (+) | Orange | Black |
| Station 7 | SOL. A 7 | (-) | (+) | Blue | None |
| | SOL. B 20 | (-) | (+) | Red | White |
| Station 8 | SOL. A 8 | (-) | (+) | Purple | White |
| | SOL. B 21 | (-) | (+) | Brown | White |
| Station 9 | SOL. A 9 | (-) | (+) | Grey | Black |
| | SOL. B 22 | (-) | (+) | Pink | Red |
| Station 10 | SOL. A 10 | (-) | (+) | White | Black |
| | SOL. B 23 | (-) | (+) | Grey | Red |
| Station 11 | SOL. A 11 | (-) | (+) | White | Red |
| | SOL. B 24 | (-) | (+) | Black | White |
| Station 12 | SOL. A 12 | (-) | (+) | Yellow | Red |
| | SOL. B 25 | (-) | (+) | White | None |
| | COM. 13 | (+) | (-) | Orange | Red |

Positive COM. spec. Negative COM. spec. (Note)

Note) When using the negative COM. specification for VQC1000/2000, use valves for negative COM.

Lead wire length

VV5QC11-08 C6 LD 0

Lead wire length

| | |
|---|-------|
| 0 | 0.6 m |
| 1 | 1.5 m |
| 2 | 3.0 m |

Electrical characteristics

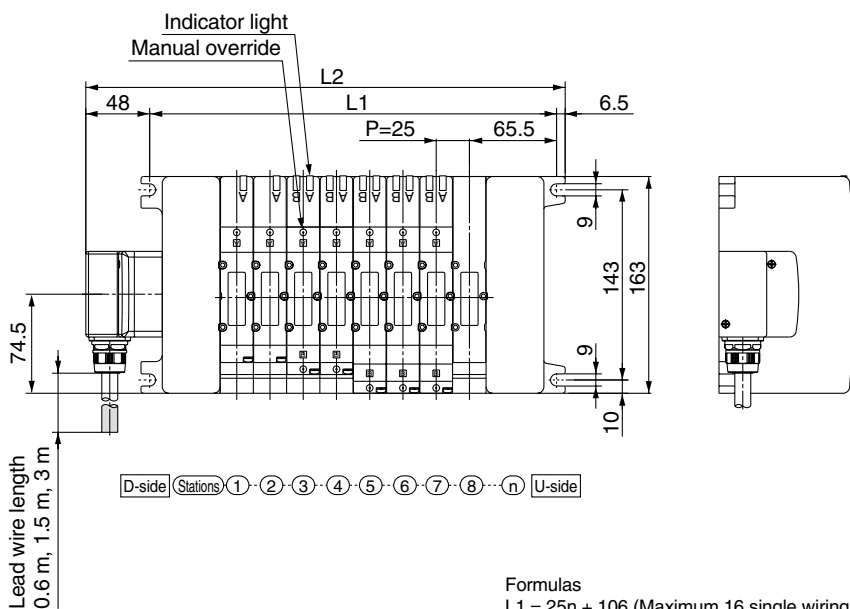
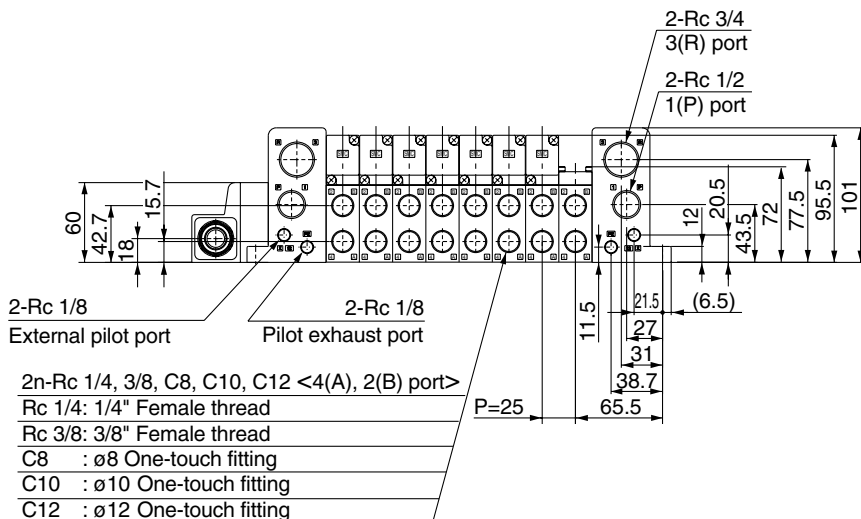
| Item | Characteristic |
|---------------------------------------|----------------|
| Conductor resistance Ω/km, 20°C | 65 or less |
| Withstand pressure V, 1 minute, AC | 1000 |
| Insulation resistance MΩ/km, 20°C | 5 or more |

Note) Cannot be used for transfer wiring. The minimum bending radius for cables is 20 mm.

Special Wiring Specifications (Option)

Mixed single and double wiring are available as options. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24.

VV5QC41



Formulas

$L1 = 25n + 106$ (Maximum 16 single wiring stations)

$L2 = 25n + 160.5$

n: Stations

| L \ n | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L1 | 131 | 156 | 181 | 206 | 231 | 256 | 281 | 306 | 331 | 356 | 381 | 406 | 431 | 456 | 481 | 506 |
| L2 | 185.5 | 210.5 | 235.5 | 260.5 | 285.5 | 310.5 | 335.5 | 360.5 | 385.5 | 410.5 | 435.5 | 460.5 | 485.5 | 510.5 | 535.5 | 560.5 |

VQC

SQ

VQ0

VQ4

VQ5

VQZ

VQD