

## Compact and high flow

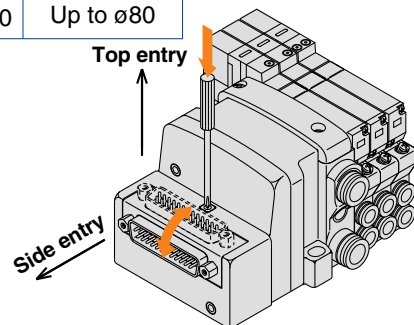
Series	Manifold pitch (mm)	Flow-rate characteristics <sup>Note)</sup>						Applicable cylinder bore size (mm)
		Metal seal			Rubber seal			
		C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	
VQC1000	10.5	0.72	0.25	0.18	1.0	0.30	0.25	Up to ø50
VQC2000	16	2.6	0.15	0.60	3.2	0.30	0.80	Up to ø80

Note) Flow-rate characteristics: 2-position single, 4/2 → 5/3 (A/B → R1/R2)

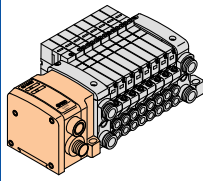
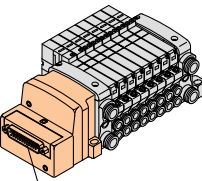
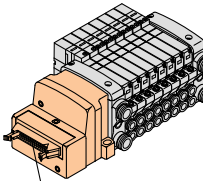
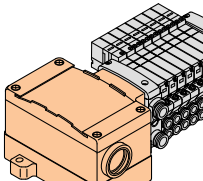
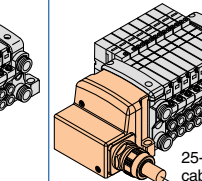
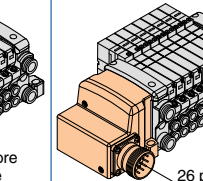
## Connector entry direction can be changed with a single push. (F/P kit)

The connector entry direction can be changed from the top to the side by simply pressing the manual release button.

It is not necessary to use the manual release button when switching from the side to the top.



## A wide variety of prepackaged wiring configurations

<b>S</b> kit (Serial transmission)	<b>F</b> kit (D-sub connector)	<b>P</b> kit (Flat ribbon cable)	<b>T</b> kit (Terminal block box)	<b>L</b> kit (Lead wire)	<b>M</b> kit (Circular connector)
					
IP67 enclosure compatible	25 pins	26 pins, 20 pins	IP67 enclosure compatible	25-core cable IP67 enclosure compatible	26 pins IP67 enclosure compatible

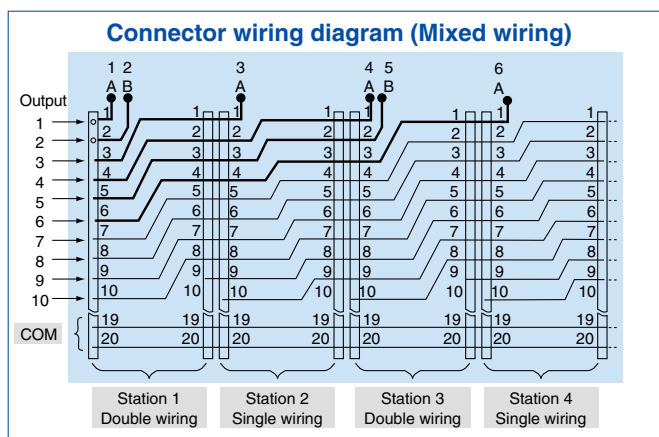
- Our six standard wiring packages bring a world of ease to wiring and maintenance work, while the protective enclosures of four of them conform to IP67 standards.
- The S kit is compatible with a combined I/O unit. (Not applicable to Gateway unit)

## Connector type manifold

- The use of multi-pin connectors to replace wiring inside manifold blocks provides flexibility when adding stations or changing manifold configuration.
- All kits use multi-pin connectors, so switching from the F kit (D-sub connector) to the S kit (serial transmission) can be done simply by changing the kit section.

(Refer to the connector wiring diagram.)

Printed circuit board patterns between connectors are shifted at every station. This allows for viable connections to take place without necessarily specifying whether the manifold station is double, single, or mixed wiring.



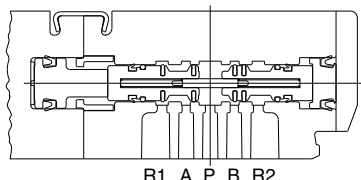
## Dual 3-port valves, 4 positions

VQC1000/2000 (Rubber seal only)

- Two 3-port valves built into one body
- The 3-port valves on the A and B sides can operate independently.
- When used as 3-port valves, only half the number of stations is required.
- Can also be used as a 4-position, 5-port type valve.

Exhaust center : **VQC1A01**  
                      : **VQC2A01**

Pressure center : **VQC1B01**  
                      : **VQC2B01**



Model	A side	B side	JIS symbol
<b>VQC1A01</b> <b>VQC2A01</b>	N.C. valve	N.C. valve	
<b>VQC1B01</b> <b>VQC2B01</b>	N.O. valve	N.O. valve	
<b>VQC1C01</b> <b>VQC2C01</b>	N.C. valve	N.O. valve	

# Series VQC1000/2000

## Manifold Assembly Part No.

### <D-Side End Plate Assembly>

⑰ D-side end plate assembly part no.

VVQC **1** 000-3A-1-□-□

Series

1	VQC1000
2	VQC2000

Port size

Symbol	VQC1000	VQC2000
C8	●	
C10		●
N9	●	
N11		●

Option

Nil	Common EXH
R	External pilot
S	Direct EXH outlet with built-in silencer

### <U-Side End Plate Assembly>

⑳ U-side end plate assembly part no.

VVQC **1** 000-2A-**1**-C8-□

Series

1	VQC1000
2	VQC2000

Supply/Exhaust port entry direction

1	Cylinder port side
2 (Note)	Branch type



Note) VQC2000 only

Port size

Symbol	VQC1000	VQC2000
C8	●	
C10		●
C12		●
N9	●	
N11		●
N13		●

Option

Nil	Common EXH
R	External pilot
S	Direct EXH outlet with built-in silencer

### <Manifold Block Assembly>

⑱ Manifold block assembly part no.

VVQC **1** 000-1A-D-C6-□

Series

1	VQC1000
2	VQC2000



Note) Tie-rods (2 pcs.) for additional stations included.

Wiring specifications

D	Double wiring
S	Single wiring

Port size

Symbol	Port size	VQC1000	VQC2000
C3	For ø3.2 one-touch fitting	●	
C4	For ø4 one-touch fitting	●	●
C6	For ø6	●	●
C8	For ø8		●
N1	For ø1/8"	●	
N3	For ø5/32"	●	●
N7	For ø1/4"	●	●
N9	For ø5/16"		●
M5	For M5 thread	●	

Option

Nil	None
B	With back pressure check valve

### <Replacement Parts>

Pilot valve assembly

V112-**5**A

Coil voltage

5	24 VDC
6	12 VDC

Function

Nil	Standard (0.4 W)
B	High-speed response type (0.95 W)
K	High-pressure type (1.0 MPa, 0.95 W)

Note) Common to single solenoid and double solenoid

⑲ Tie-rod assembly part no. (2 pcs.)

VQC1000	VVQC1000-TR-□
VQC2000	VVQC2000-TR-□

Note 1) Please order when reducing the number of manifold stations. When increasing the number of stations, additional orders are not required since they are included in the manifold block assembly.

Note 2) □: Stations 02 to 24