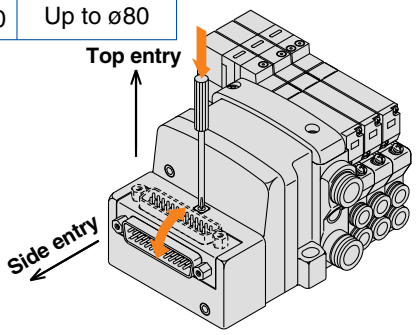
Compact and high flow

Series	Manifold pitch (mm)	Flow-rate characteristics Note)						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)

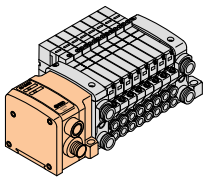
Connector entry direction can be changed with a single push. (F/P kit)

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.



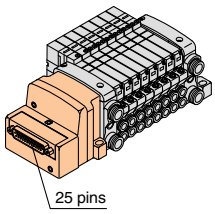
A wide variety of prepackaged wiring configurations

S kit (Serial transmission)

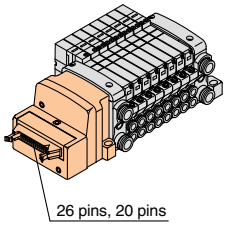


IP67 enclosure compatible

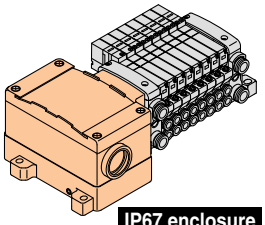
F kit (D-sub connector)



P kit (Flat ribbon cable)

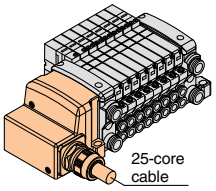


T kit (Terminal block box)



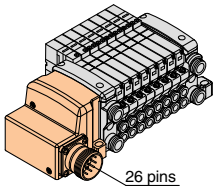
IP67 enclosure compatible

L kit (Lead wire)



IP67 enclosure compatible

M kit (Circular connector)



IP67 enclosure compatible

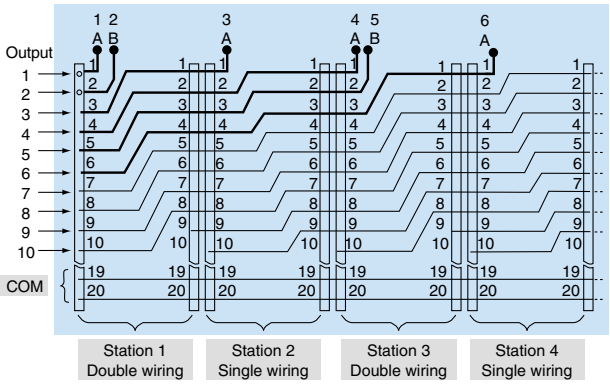
- Our six standard wiring packages bring a world of ease to wiring and maintenance work, while the protective enclosures of four of them conform to IP67 standards.
- The S kit is compatible with a combined I/O unit. (Not applicable to Gateway unit)

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.

Connector wiring diagram (Mixed wiring)

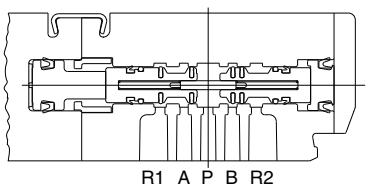


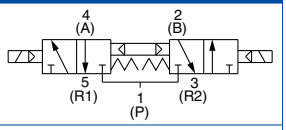
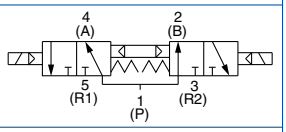
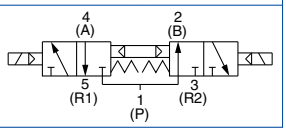
Dual 3-port valves, 4 positions

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
VQC1A01 **VQC2A01**	N.C. valve	N.C. valve	
VQC1B01 **VQC2B01**	N.O. valve	N.O. valve	
VQC1C01 **VQC2C01**	N.C. valve	N.O. valve	

Manifold Assembly Part No.

Housing Assembly and SI Unit/Input Block

No.	Description	Part no.	Note
①	**SI unit**	**EX500-Q001**	DeviceNet™, PROFIBUS DP, CC-Link, EtherNet/IP™ (+COM.)
		EX500-Q101	DeviceNet™, PROFIBUS DP, CC-Link, EtherNet/IP™ (–COM.)
②	**SI unit**	**EX600-SDN1**	DeviceNet™ PNP (–COM.)
		EX600-SDN2	DeviceNet™ NPN (+COM.)
		EX600-SMJ1	CC-Link PNP (–COM.)
		EX600-SMJ2	CC-Link NPN (+COM.)
		EX600-SPR1	PROFIBUS DP PNP (–COM.)
		EX600-SPR2	PROFIBUS DP NPN (+COM.)
③	**Digital input unit**	**EX600-DXNB**	NPN input, M12 connector, 5 pins (4 pcs.), 8 inputs
		EX600-DXPB	PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs
		EX600-DXNC	NPN input, M8 connector, 3 pins (8 pcs.), 8 inputs
		EX600-DXNC1	NPN input, M8 connector, 3-pins (8 pcs.), 8 inputs, with broken wire detection function
		EX600-DXPC	PNP input, M8 connector, 3 pins (8 pcs.), 8 inputs
		EX600-DXPC1	PNP input, M8 connector, 3-pins (8 pcs.), 8 inputs, with broken wire detection function
		EX600-DXND	NPN input, M12 connector, 5 pins (8 pcs.), 16 inputs
		EX600-DXPD	PNP input, M12 connector, 5 pins (8 pcs.), 16 inputs
④	**Digital output unit**	**EX600-DYNB**	NPN input, M12 connector, 5 pins (4 pcs.), 8 inputs
		EX600-DYPB	PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs
⑤	**Analog input unit**	**EX600-AXA**	M12 connector, 5 pins (2 pcs.), 2-channel input
⑥	**End plate**	**EX600-ED2**	M12 connector, 5 pins, Max. supply current 2 A
		EX600-ED2-2	M12 connector, 5 pins, Max. supply current 2 A, with DIN rail mounting bracket
		EX600-ED3	7/8 inch connector, 5 pins, Max. supply current 8 A
		EX600-ED3-2	7/8 inch connector, 5 pins, Max. supply current 8 A, with DIN rail mounting bracket
⑦	**SI unit**	**EX250-SPR1**	PROFIBUS DP (–COM.)
		EX250-SMJ2	CC-Link (+COM.)
		EX250-SAS3	AS-Interface, 8 in/8 out, 31 slave modes, 2 power supply systems (–COM.)
		EX250-SAS5	AS-Interface, 4 in/4 out, 31 slave modes, 2 power supply systems (–COM.)
		EX250-SAS7	AS-Interface, 8 in/8 out, 31 slave modes, 1 power supply systems (–COM.)
		EX250-SAS9	AS-Interface, 4 in/4 out, 31 slave modes, 1 power supply systems (–COM.)
		EX250-SCA1A	CANopen (–COM.)
		EX250-SCN1	ControlNet™ (–COM.)
		EX250-SDN1	DeviceNet™ (–COM.)
		EX250-SEN1	EtherNet/IP™ (–COM.)
⑧	**Input block**	**EX250-IE1**	M12, 2 inputs
		EX250-IE2	M12, 4 inputs
		EX250-IE3	M8, 4 inputs
⑨	**End plate assembly**	**EX250-EA1**	Standard
		EX250-EA2	For DIN rail mounting
⑩	**SI unit**	**EX126D-SMJ1**	CC-Link (+COM.)
⑪	**Terminal block plate**	**VVQC1000-74A-2**	For EX126 SI unit mounting
⑫	**D-sub connector housing assembly**	**VVQC1000-F25-1**	F kit, 25 pins
⑬	**Flat ribbon cable housing assembly**	**VVQC1000-P26-1**	P kit, 26 pins
		VVQC1000-P20-1	P kit, 20 pins
⑭	**Terminal block box housing assembly**	**VVQC1000-T0-1**	T kit
⑮	**Lead wire housing assembly**	**VVQC1000-L25-0-1**	L kit with 0.6 m lead wire
		VVQC1000-L25-1-1	L kit with 1.5 m lead wire
		VVQC1000-L25-2-1	L kit with 3.0 m lead wire
⑯	**Circular connector housing assembly**	**VVQC1000-M26-1**	M kit, 26 pins