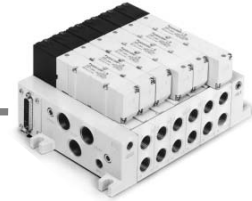


Series VQ4000

Base Mounted Plug-in Unit

How to Order Manifold



VV5Q 4 1 - 08 C8 F U1 - K

Series

4	VQ4000
---	--------

Manifold

1	Plug-in unit
---	--------------

Stations

01	1 station
⋮	⋮

The maximum and minimum number of stations are varied depending on kit. (Refer to the table below.)

Cylinder port

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

Kit type

Control unit

Refer to pages 2-5-40 to 2-5-43.

Option

Symbol	Option
Nil	None
CD ⁽²⁾	Exhaust cleaner: For D side mounting
CU ⁽²⁾	Exhaust cleaner: For U side mounting
K ⁽³⁾	Special wiring specifications (Except double wiring)
N	Name plate (T kit only)
SB	Direct exhaust with silencer box: Exhaust from both sides (F/L kits only)
SD ⁽²⁾	Direct exhaust with silencer box: D side exhaust
SU ⁽²⁾	Direct exhaust with silencer box: U side exhaust
W	Enclosure IP65 (Except F kit)



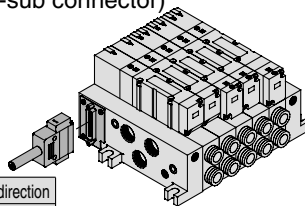
Note 1) When two or more symbols are specified, indicate them alphabetically.
Example) -CDK

Note 2) Combination of [C] and [S] is not possible.

Note 3) Specify the wiring specifications on the manifold specification sheet. (Except L kit)

Kit/Electrical entry/Cable length

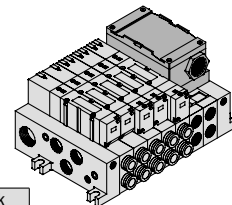
F kit
(D-sub connector)



Connector entry direction

	D side	U side		
	D0	U0	Without cable	
Kit	D1	U1	Cable length 1.5 m	1 to 18 stations
F	D2	U2	Cable length 3 m	
	D3	U3	Cable length 5 m	

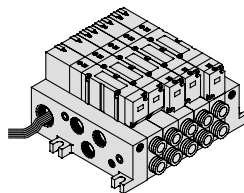
T kit
(Terminal block box kit)



Terminal block mounting position		
D side	U side	
TD	TO	Terminal block box 3 to 18 stations

IP65 compatible

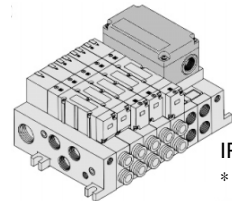
L kit
(Lead wire cable)



Electrical entry			
D side	U side		
Kit	D0	U0	Cable length 0.6 m
L	D1	U1	Cable length 1.5 m
	D2	U2	Cable length 3 m

IP65 compatible

S kit
(Serial transmission unit)



The valve is equipped with a lamp/surge suppressor, and the voltage is 24 VDC.

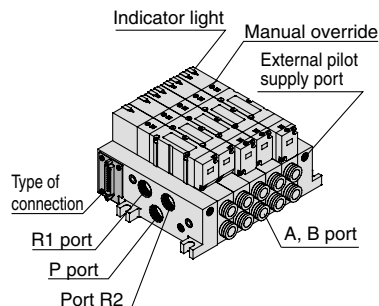
IP65 compatible
* Applicable to INPUT and OUTPUT type.

Unit mounting position		
D side	U side	
0		Without SI unit
A		With general type SI unit (Series EX300)
B		Mitsubishi Electric Corp.: MELSECNET/MINI-S3 Data Link System
BB		Mitsubishi Electric Corp.: MELSECNET/MINI-S3 Data Link System (2 power supply systems)
C		OMRON Corp.: SYSBUS Wire System
D		SHARP Corp.: Satellite I/O Link System
F1		NKE Corp.: Uni-wire System (16 output points)
J1		SUNX Corp.: S-LINK System (16 output points)
J2		SUNX Corp.: S-LINK System (8 output points)
K		Fuji Electric Co.: T-LINK Mini System
Q		DeviceNet, CompoBus/D (OMRON Corp.)
R1		OMRON Corp.: CompoBus/S System (16 output points)
R2		OMRON Corp.: CompoBus/S System (8 output points)
U		JEMANET (JPCN-1)
V		Mitsubishi Electric Corp.: CC-LINK System
G		Rockwell Automation: Allen Bradley Remote I/O (RIO) System
H		NKE Corp.: Uni-wire H System

3 to 18 stations



* For INPUT and OUTPUT type, refer to pages 2-5-26 to 2-5-29.



Note) Shown VV5Q41-05C12FD0



Simple specials are available with SMC Simple Special System. For details about applicable models, please contact SMC.

Manifold Specifications

Series	Base model	Type of connection	Porting specifications			Maximum applicable stations	Applicable solenoid valve	5 station weight (kg)
			4(A), 2(B) port location	Port size <small>Note)</small>				
				1(P), 5(R1), 3(R2)	4(A), 2(B)			
VQ4000	VV5Q41-□□□	■ F kit—D-sub connector ■ T kit—Terminal block box ■ L kit—Lead wire ■ S kit—Serial transmission	Side	Rc 1/2 Option <div>(Direct exhaust with silencer box)</div>	C8 (For ø8) C10 (For ø10) C12 (For ø12) Rc 1/4 Rc 3/8	F, T kit 12 stations L kit 16 stations S kit 10 stations	VQ4□00 VQ4□01	2.24 • L kit • Except solenoid valve weight
			Bottom		Rc 1/4			



Note) For details about inch-size One-touch fittings and other thread standards, refer to page 2-5-39.

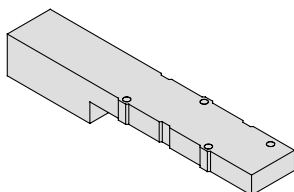
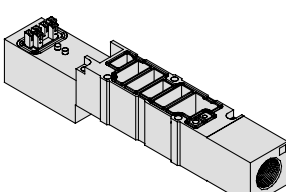
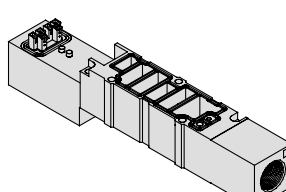
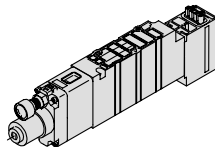
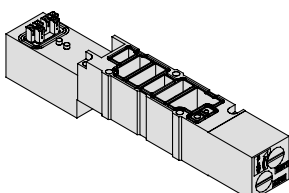
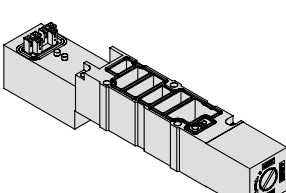
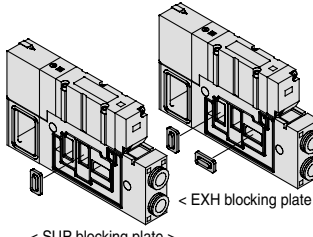
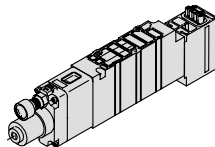
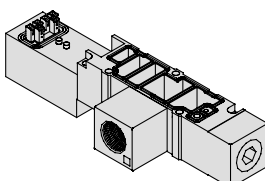
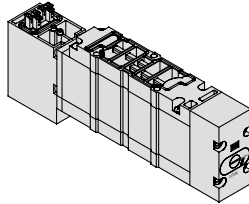
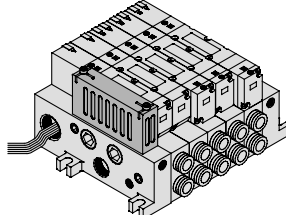
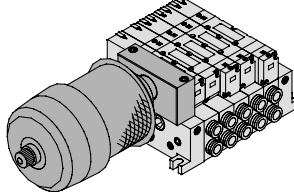
Flow Characteristics at the Number of Manifold Stations (Operated individually)

Model	Passage/Stations		Station 1	Station 5	Station 10	Station 15
2 position metal seal VQ4₂00	1 → 4/2 (P → A/B)	C [dm ³ /(s·bar)]	5.9	5.9	5.9	5.9
		b	0.23	0.23	0.23	0.23
		Cv	1.5	1.5	1.5	1.5
	4/2 → 5/3 (A/B → EA/EB)	C [dm ³ /(s·bar)]	6.2	6.2	6.2	6.2
		b	0.19	0.19	0.19	0.19
		Cv	1.5	1.5	1.5	1.5
2 position rubber seal VQ4₂01	1 → 4/2 (P → A/B)	C [dm ³ /(s·bar)]	6.8	6.8	6.8	6.8
		b	0.31	0.31	0.31	0.31
		Cv	1.8	1.8	1.8	1.8
	4/2 → 5/3 (A/B → EA/EB)	C [dm ³ /(s·bar)]	7.0	7.0	7.0	7.0
		b	0.38	0.38	0.38	0.38
		Cv	1.9	1.9	1.9	1.9



Note) Port size: Rc 3/8

Manifold Option

Blanking plate assembly VVQ4000-10A-1 	Individual SUP spacer VVQ4000-P-1-₀₂₀₃ 	Individual EXH spacer VVQ4000-R-1-₀₂₀₃ 	 <ul style="list-style-type: none"> Refer to pages 2-5-34 to 2-5-38 for detailed dimensions of each option. For replacement parts, refer to page 2-5-47. Refer to pages 2-5-40 to 2-5-43 for control unit.
Throttle valve spacer VVQ4000-20A-1 	SUP stop valve spacer VVQ4000-37A-1 	SUP/EXH block plate VVQ4000-16A  <p>< SUP blocking plate > < EXH blocking plate ></p>	Interface regulator ARBQ4000-00-_A_B-1_P 
Release valve spacer VVQ4000-24A-1D^(1, 2) 	Double check spacer with residual pressure exhaust VVQ4000-25A-1⁽¹⁾ 	Direct exhaust with silencer box [S_D^D]⁽¹⁾ 	For exhaust cleaner mounting [C_D^D]⁽¹⁾ 



Note 1) Release valve spacer, built-in silencer (direct exhaust), exhaust cleaner mounting and double check spacer for residual pressure exhaust cannot be combined with external pilot.

Note 2) Can be mounted on L kit only. For other kits, order E type control unit.
(Refer to pages 2-5-40 to 2-5-43.)

