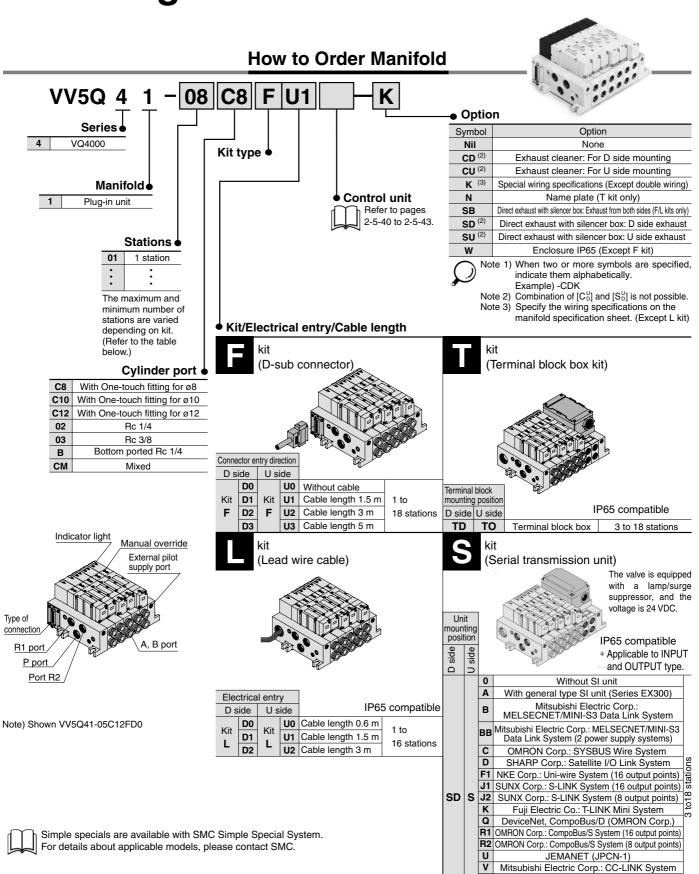
Series VQ4000 Base Mounted Plug-in Unit



G Rockwell Automation: Allen Bradley Remote I/O (RIO) System

VQC

SQ

VQ0

VQ4

VQ5

VQZ

VQD

Plug-in Unit Series VQ4000

Manifold Specifications

		Type of connection		Porting specification	ations	Maximum	Applicable		
Series	Base model		4(A), 2(B)	Port siz	ze Note)	applicable	solenoid	5 station weight (kg)	
			port location	1(P), 5(R1), 3(R2)	4(A), 2(B)	stations	valve	(kg)	
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 Direct exhaust with	C8 (For Ø8) C10 (For Ø10) C12 (For Ø12) Rc 1/4 Rc 3/8	F, T kit 12 stations L kit 16 stations	VQ4□00 VQ4□01	2.24 • L kit • Except solenoid valve weight	
			Bottom	silencer box	Rc 1/4	S kit 10 stations			

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)

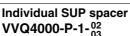
Model	Passage/St	Station 1	Station 5	Station 10	Station 15	
		C [dm³/(s·bar)]	5.9	5.9	5.9	5.9
2 position metal seal	$1 \rightarrow 4/2 \ (P \rightarrow A/B)$	b	0.23	0.23	0.23	0.23
VQ4 ¹ ₂ 00	, ,	Cv	1.5	1.5	1.5	1.5
VQ4 ₂ 00		C [dm³/(s·bar)]	6.2	6.2	6.2	6.2
	4/2 → 5/3 (A/B → EA/EB)	b	0.19	0.19	0.19	0.19
	,	Cv	1.5	1.5	1.5	1.5
		C [dm³/(s·bar)]	6.8	6.8	6.8	6.8
2 position rubber seal	1 → 4/2 (P → A/B)	b	0.31	0.31	0.31	0.31
	, ,	Cv	1.8	1.8	1.8	1.8
		C [dm³/(s·bar)]	7.0	7.0	7.0	7.0
VQ4 ¹ ₂ 01	4/2 → 5/3 (A/B → EA/EB)	b	0.38	0.38	0.38	0.38
	, , , , , , , , , , , , , , , , , , , ,	Cv	1.9	1.9	1.9	1.9

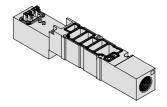


Note) Port size: Rc 3/8

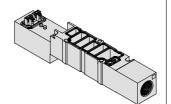
Manifold Option



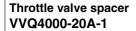




Individual EXH spacer VVQ4000-R-1-02

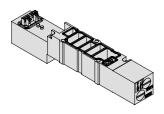


- Refer to pages 2-5-34 to 2-5-38 for detailed dimensions of each option. For replacement parts, refer to page 2-5-47.
- Refer to pages 2-5-40 to 2-5-43 for control unit.

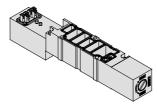


Release valve spacer

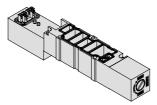
VVQ4000-24A-1D (1, 2)



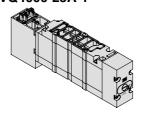
SUP stop valve spacer



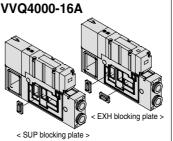
VVQ4000-37A-1



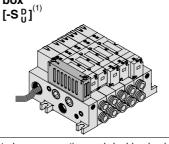
Double check spacer with residual pressure exhaust VVQ4000-25A-1 (1)



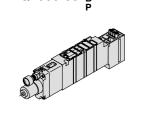
SUP/EXH block plate



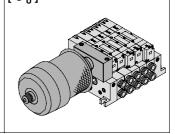
Direct exhaust with silencer box



Interface regulator ARBQ4000-00-



For exhaust cleaner mounting [-C ^D_U]⁽¹⁾

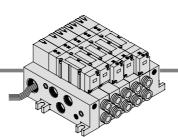


Note 1) Release valve spacer, built-in silencer (direct exhaust), exhaust cleaner mounting and double check spacer for residual pressure exhaust cannot be combined with external pilot.

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.)







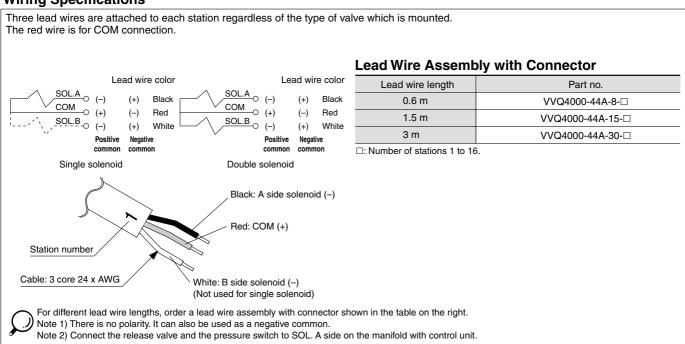
IP65 compliant

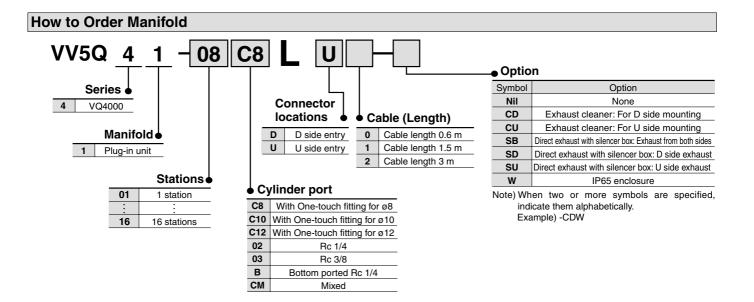
- Enclosure IP65 compliant
- Direct electrical entry. Models with two or more stations are available.
- Electrical entry can be selected on either the U side or the D side according to the mounting orientation.
- Maximum stations are 16.

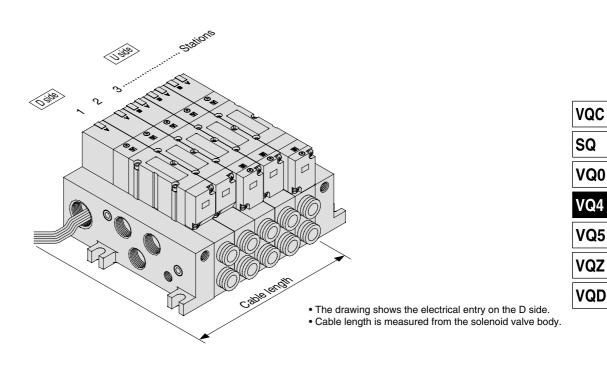
Manifold Specifications

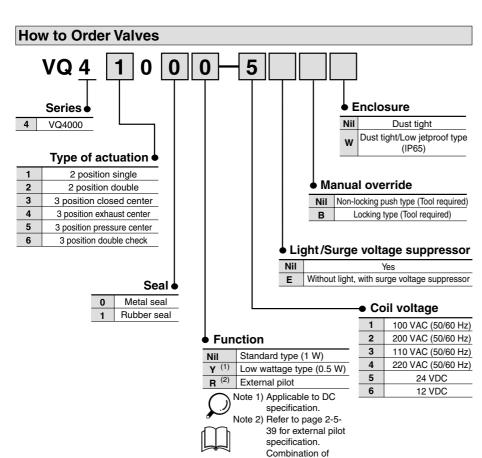
	Po	rting specific			
Series	4(A), 2(B)	Po	rt size	Applicable stations	
	port location	1(P), 5(R1), 3(R2)	4(A), 2(B)		
VQ4000	Side	Rc 1/2	C 8, 10, 12 Rc 1/4, 3/8	Max. 16 stations	
	Bottom		Rc 1/4		

Wiring Specifications









How to Order Manifold Assembly

Specify the part numbers for valves and options together beneath the manifold base part number.

<Example> Lead wire kit with cable (3 m)

VV5Q41-05C8LD2.... 1 set —Manifold base part no.

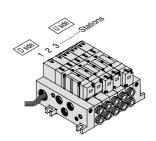
*VQ4100-5.....2 sets —Valve part no. (Stations 1 and 2)

*VQ4200-5........... 2 sets —Valve part no. (Stations 3 and 4)

*VQ4300-5............ 1 set —Valve part no. (Station 5)

Prefix the asterisk to the part nos. of the solenoid valve, etc.

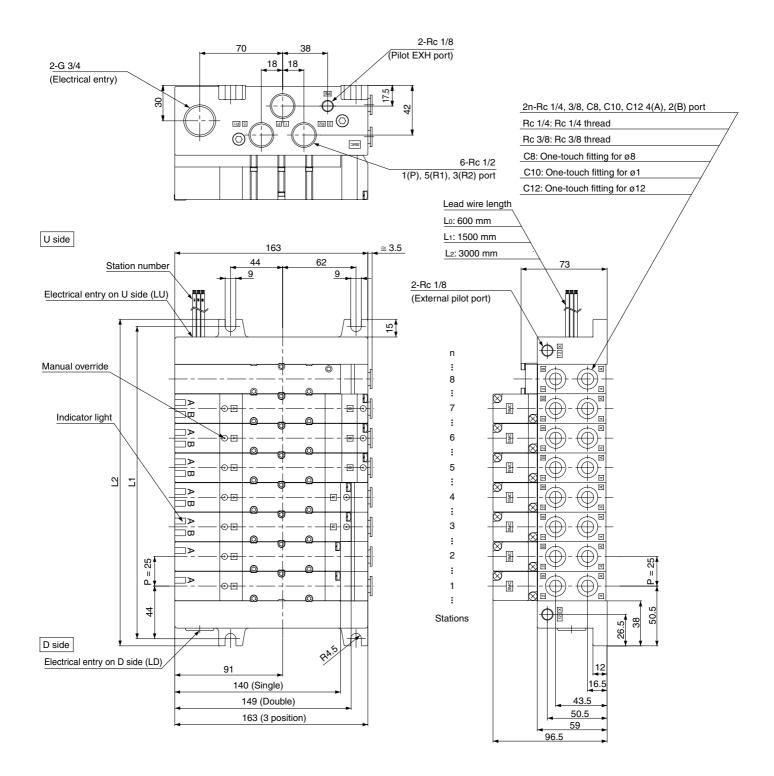
Enter in order starting from the first station on the D side. When entry of part numbers becomes complicated, indicate in the manifold specification sheet.



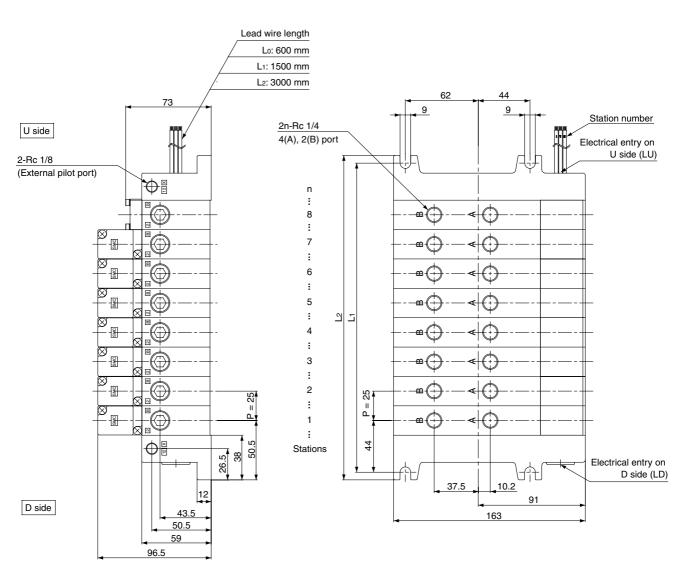
external pilot and perfect interface is not possible. Note 3) When two or more symbols are specified, indicate them alphabetically.

Series VQ4000

Kit (Lead wire cable)



Bottom ported drawing



Dimensions Formula L1 = 25n + 63, L2 = 25n + 76				+ 76	n: 8	Station	ı (Max	imum	16 sta	itions)						
L	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L ₁	88	113	138	163	188	213	238	263	288	313	338	363	388	413	438	463
L2	101	126	151	176	201	226	251	276	301	326	351	376	401	426	451	476

VQC

۷	Q	0



VQ5

VQZ

VQD