Base Mounted Plug-in Unit Series VQC1000/2000

Standard Specifications

	Valve type		Metal seal	Rubber seal	
	Fluid		Air, Inert gas		
	Maximum operating pressure		0.7 MPa (High-pressure type: 1.0 MPa)	0.7 MPa	
Su	Minimum operating pressure	Single	0.1 MPa	0.15 MPa	
atio		Double	0.1 MPa		
iji		3-position	0.1 MPa	0.2 MPa	
specifications		4-position		0.15 MPa	
Valve	Ambient and fluid temperature		-10 to 50°C Note 1)		
a	Lubrication		Not required		
	Manual override		Push type, Locking type (Tool required) semi-standard		
	Impact/Vibration resistance		150/30 m/s ² Note 2)		
	Enclosure		Dustproof (IP67 compatible) Note 3)		
ဖ	Rated coil voltage		24 VDC		
Fig.	Allowable voltage fluctuation		±10% of rated voltage		
Electrical specifications	Coil insulation type		Equivalent to Class B		
Peci	Power consumption (Current)	24 VDC	0.4 W DC (17 mA), 0.95 W DC (40 mA) Note 4)		
S		12 VDC	0.4 W DC (34 mA), 0.9	5 W DC (80 mA) Note 4)	



Note 1) Use dry air to prevent condensation when operating at low temperatures.

Note 2) Impact resistance No malfunction resulted from the impact test using a drop impact tester. 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 2000 Hz. 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) Refer to page 1 and 2 for applicable variations.

Note 4) Value for high-speed response, high-pressure type (0.95 W)

Manifold Specifications

			Piping specifications		Note 2)	Applicable	5-station	
Series	Base model	Connection type	Port direction	Port size Note 1)		Applicable stations	solenoid	mass
				1, 3 (P, R)	2, 4 (A, B)	otationo	valves	(g)
VQC1000	VV5QC11-□□□	F kit: D-sub connector P kit: Flat ribbon cable T kit: Terminal block box S kit: Serial transmission L kit: Lead wire M kit: Circular connector	Side	C8 (ø8) Option: Direct EXH outlet with built-in silencer	C3 (ø3.2) C4 (ø4) C6 (ø6) M5 (M5 thread)	(F/L/M/P kit 1 to 12 stations) (T kit 1 to 10 stations) S kit 1 to 8 stations: EX500 1 to 12 stations: EX250	VQC1□00-5 VQC1□01-5	643 (Single) 754 (Double, 3-position)
VQC2000	VV5QC21-□□□		Side	C10 (ø10) Option: Direct EXH outlet with built-in silencer Branch type C12 (ø12)	C4 (ø4) C6 (ø6) C8 (ø8)		VQC2□00-5 VQC2□01-5	1076 (Single) 1119 (Double, 3-position)



Note 1) Inch-size one-touch fittings are also available.

Note 2) Special wiring specifications are available as semi-standard to increase the maximum number of stations.

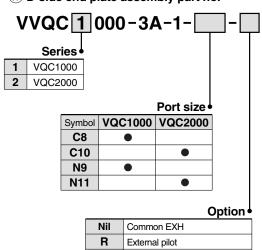


Series VQC1000/2000

Manifold Assembly Part No.

<D-Side End Plate Assembly>

17 D-side end plate assembly part no.



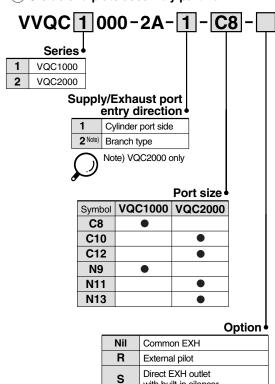
Direct EXH outlet

with built-in silencer

<U-Side End Plate Assembly>

S

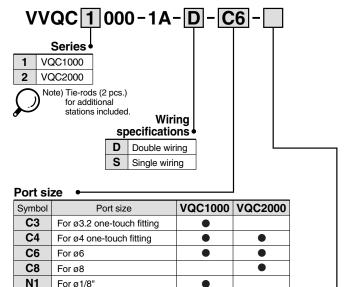
20 U-side end plate assembly part no.



with built-in silencer

<Manifold Block Assembly>

18 Manifold block assembly part no.



	Option
Nil	None
В	With back pressure check valve

<Replacement Parts>

For ø5/32'

For ø1/4"

For ø5/16"

For M5 thread

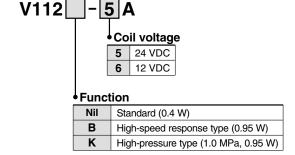
Pilot valve assembly

N3

N7

N9

М5



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

