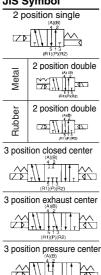
Plug-in Unit Series VQ1000/2000

JIS Symbol



Standard Specifications

 	Opcomoations						
Valve specifications	Valve construction		Metal seal	Rubber seal			
	Fluid		Air/Inert gas	Air/Inert gas			
	Maximum operating pressure		0.7 MPa (High pressure type: 0.8 MPa)				
	Minimum operating pressure	Single	0.1 MPa	0.15 MPa			
		Double	0.1 MPa	0.1 MPa			
		3 position	0.1 MPa	0.2 MPa			
	Ambient and fluid temperature		-10 to 50°C ⁽¹⁾				
	Lubrication		Not required				
	Manual override		Push type/Locking type (Tool required, Manual type) Option				
	Impact/Vibration resistance (2)		150/30 m/s²				
	Enclosure		Dust-protected, Dust tight/Low jetproof type (IP65) (5)				
Solenoid	Coil rated voltage		12 , 24 VDC, 100, 110, 200, 220 VAC (50/60 Hz)				
	Allowable voltage fluctuation		±10% of rated voltage				
	Coil insulation type		Class B or equivalent				
	Power consumption (Current)	24 VDC	1 W DC (42 mA), 1.5 W DC (63 mA) (3), 0.5 W DC (21 mA) (4)				
		12 VDC	1 W DC (83 mA), 1.5 W DC (125 mA) ⁽³⁾ , 0.5 W DC (42 mA) ⁽⁴⁾				
		100 VAC	Inrush 1.2 VA (12 mA), Holding 1.2 VA (12 mA)				
		110 VAC	Inrush 1.3 VA (12 mA), Holding 1.3 VA (12 mA)				
		200 VAC	Inrush 2.4 VA (12 mA), Holding 2.4 VA (12 mA)				
		220 VAC	Inrush 2.6 VA (12 mA), Holding 2.6 VA (12 mA)				

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

Note 2) Impact resistance ··· No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-

energized states every once for each condition. (Values at the initial period)

Vibration resistance ··· No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at

the right angles to the main valve and armature. (Values at the initial period)

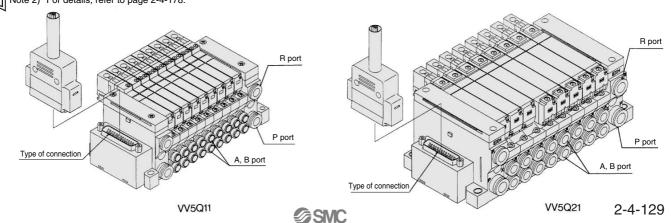
Note 3) Value for high voltage type (1.5 W)

Note 4) Value for low voltage type (0.5 W) Note 5) Dusttight/Low jetproof type (IP65) is available on T, L, S and M kits of VQ2000.

Manifold Specifications

	Base model	Type of connection	Porting specifications					
Series			Port location	Port size (1)		Applicable stations	Applicable solenoid valve	5 station weight
				1(P), 3(R)	4(A), 2(B)	Stations	Soleriola valve	(g)
VQ1000	VV5Q11-□□□	 ■ F kit-D-sub connector ■ P kit-Flat ribbon cable connector ■ J kit-Flat ribbon cable connector (20P) ■ G kit-Flat ribbon cable connector with terminal block ■ T kit-Terminal box ■ L kit-Lead wire cable 	Side	C8 (ø8) Option Built-in silencer, direct exhaust	C3 (ø3.2) C4(ø4) C6 (ø6) M5 (M5 thread)	F, P, T kits 2 to 24 stations (J, G, S kit 2 to 16 stations) (L kit 1 to 8 stations)	VQ1□00 VQ1□01	628 (Single) 759 (Double, 3 position)
VQ2000	VV5Q21-□□□	■ S kit-Serial transmission unit ■ F kit-D-sub connector ■ P kit-Flat ribbon cable connector ■ J kit-Flat ribbon cable connector (20P) ■ G kit-Flat ribbon cable connector with terminal block ■ T kit-Terminal box ■ L kit-Lead wire cable ■ S kit-Serial transmission unit ■ M kit-Multi-connector	Side	C10 (Ø10) Option Built-in silencer, direct exhaust	C4 (ø4) C6 (ø6) C8 (ø8)	F, P kits 2 to 24 stations) J, G, S kit 2 to 16 stations) L kit 1 to 8 stations T kit 2 to 20 stations)	VQ2□00 VQ2□01	1051 (Single) 1144 (Double, 3 position)

Note 1) Inch-size One-touch fittings are also available. For details, refer to page 2-4-179. Note 2) For details, refer to page 2-4-178.



VQC

SQ

VQ0 VQ4

VQ5

VQZ

VQD

VQC

SQ

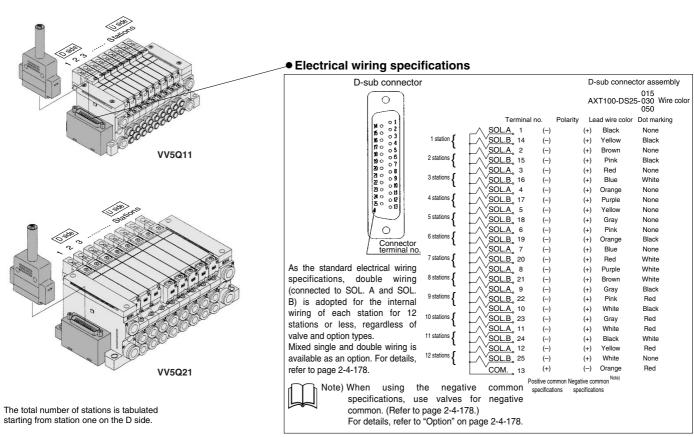
VQ0

VQ4

VQ5

VQZ

VQD



How to Order Valves Series Manual override VQ1000 Nil Non-locking push type (Tool required) 2 VQ2000 Locking type (Tool required) Locking type (Manual) Type of actuation. 2 position single Light/Surge voltage suppressor 2 2 position double Yes 3 3 position closed center Ε None 4 3 position exhaust center 3 position pressure center Coil voltage 100 VAC (50/60 Hz) Function 200 VAC (50/60 Hz) Seal 4 Symbol Specifications DC AC 3 110 VAC (50/60 Hz) Metal seal Standard (1.0 W) 220 VAC (50/60 Hz) 4 Rubber seal type 5 24 VDC High (1.5 W) 12 VDC 6 Н pressure type Note) For external pilot and Low wattage (0.5 W) negative COM type specifications, refer to "Option" on pages 2-4-178 to 2-4-179. Note) For power consumption of

129.

How to Order Manifold Assembly

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

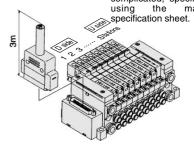
<Example>

D-sub connector kit with cable (3 m)

VV5Q11-09C6FU2 ···· 1 set -Manifold base no. *VQ1100-52 sets-Valve part no. (Stations 1 to 2) VQ1200-5 ······ 4 sets-Valve part no. (Stations 3 to 6) *VQ1300-52 sets-Valve part no. (Stations 7 to 8) *VVQ1000-10A-1 ······ 1 set-Blanking plate part no. (Station 9)

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

Write sequentially from the 1st station on the D side. When part nos. writtencollectively are complicated, specified by using the manifold



AC type, refer to page 2-4-