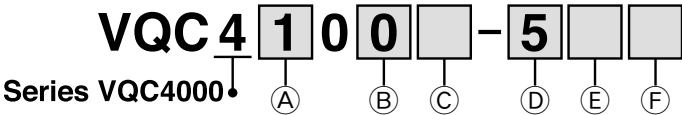


How to Order Valves



A Type of actuation

1	2 position single  (A) (B) 4 2 5 1 3 (R1) (P) (R2)	4	3 position exhaust center  (A) (B) 4 2 5 1 3 (R1) (P) (R2)
2	2 position double (metal)  (A) (B) 4 2 5 1 3 (R1) (P) (R2)	5	3 position pressure center  (A) (B) 4 2 5 1 3 (R1) (P) (R2)
	2 position double (rubber)  (A) (B) 4 2 5 1 3 (R1) (P) (R2)	6	3 position perfect  (A) (B) 4 2 5 1 3 (R1) (P) (R2)
3	3 position closed center  (A) (B) 4 2 5 1 3 (R1) (P) (R2)		

B Seal type

0	Metal seal
1	Rubber seal

C Function

Nil	Standard type (1 W)
R	External pilot
Y	Low wattage type (0.5 W)

Note 1) When specifying more than one option, enter symbols in alphabetical order.

Note 2) Please select when you expect to energize the unit for extended periods of time. Refer to page 3 for details.

D Coil voltage

5	24 VDC Note)
6	12 VDC

Note) S kit is only available for 24 VDC.

E Light/Surge voltage suppressor

Nil	With
E	Without light, with surge voltage supressor

F Manual override

Nil: Non-locking push type (Tool required)

B: Locking type (Tool required)

## Standard Specifications

Valve specifications	Valve Configuration		Metal seal		Rubber seal		
	Fluid		Air/Inert gas				
	VQC1000/2000	Max. operating pressure		0.7 MPa (High pressure type: 1.0 MPa) <sup>Note 4)</sup>			
		Min. operating pressure	Single	0.1 MPa		0.15 MPa	
			Double	0.1 MPa			
			3 position	0.1 MPa		0.2 MPa	
			4 position	—		0.15 MPa	
	VQC4000	Max. operating pressure <sup>Note 3)</sup>		1.0 MPa (0.7 MPa)			
		Min. operating pressure	Single	0.15 MPa		0.2 MPa	
			Double	0.15 MPa			
			3 position	0.15 MPa		0.2 MPa	
	Proof pressure		1.5 MPa				
	Ambient and fluid temperature		−10 to 50°C <sup>Note 1)</sup>				
	Lubrication		Not required				
	Manual override		Push type/Locking type (tool required) option				
	Impact resistance/Vibration resistance		150/30 m/s <sup>2</sup> <sup>Note 2)</sup>				
	Enclosure		Dust proof (IP67 compliant)				
Electrical specifications	Rated coil voltage		24 VDC				
	Allowable voltage fluctuation		±10% of rated voltage				
	Coil insulation type		Equivalent to B type				
	Power consumption (Current)	24 VDC	1 W DC (42 mA), 0.5 W DC (21 mA)				
		12 VDC	1 W DC (83 mA), 0.5 W DC (42 mA)				



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

Note 2) **Impact resistance:** No malfunction resulted from the impact test using a drop impact tester. The 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 2000Hz. 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) Values in ( ) are for the low wattage (0.5 W) specification.

Note 4) Metal seal type only.

## Manifold Specifications

Series	Base model	Connection type	Piping specifications			Applicable stations <small>Note 2)</small>	Applicable solenoid valves	5 station mass (g)
			Port direction	Port size <small>Note 1)</small>				
				1, 3 (P, R)	2, 4 (A, B)			
VQC1000	VV5QC11-□□□	<div>■ F Kit: D-sub connector</div> <div>■ P Kit: Flat cable</div> <div>■ T Kit: Terminal block box</div> <div>■ S Kit: Serial transmission</div> <div>■ L Kit: Lead wire</div> <div>■ M Kit: Circular connector</div>	Side	C8 (For ø8) <div>Options Direct outlet with built-in silencer</div>	C3 (For ø3.2) C4 (For ø4) C6 (For ø6) M5 (M5 threads)	<div>(F, L, M and P kits) 1 to 12 stations</div> <div>(T kit 1 to 10 stations)</div>	VQC1□00-5 VQC1□01-5	628 (Single) 759 (Double, 3P)
VQC2000	VV5QC21-□□□		Side	C10 (For ø10) <div>Options Direct outlet with built-in silencer</div> <div>Branch type C12 (for ø12)</div>	C4 (For ø4) C6 (For ø6) C8 (For ø8)	<div>(S kit 1 to 8 stations: EX500 1 to 12 stations: EX250)</div>	VQC2□00-5 VQC2□01-5	1051 (Single) 1144 (Double, 3P)
VQC4000	VV5QC41-□□□		Side	P: Rc 1/2 R: Rc 3/4	C8 (For ø8) C10 (For ø10) C12 (For ø12) Rc 1/4 Rc 3/8	<div>(F, L, M and P kits) 1 to 12 stations</div> <div>(T kit 1 to 10 stations) S kit 1 to 12 stations: EX240, EX250 1 to 8 stations: EX500</div>	VQC4□00-5 VQC4□01-5	4150 • S kit (without unit) • Solenoid mass is not included.
		Bottom	Rc 1/4					



Note 1) One-touch fittings in inch sizes are also available.

Note 2) An optional specification for special wiring is available to increase the maximum number of stations.