

## How to Order Valve

**Series VQ1000 Configuration**

**VQ1 1 3 0 Y 5 C6-Q**

**1** 2 position single  
(A)(B)  
(R1)(P1)(R2)

**2** 2 position double (latching)  
(A)(B)  
(R1)(P1)(R2) Metal seal  
(A)(B)  
(R1)(P1)(R2) Rubber seal

**3 (1)** 3 position closed centre  
(A)(B)  
(R1)(P1)(R2)

**4 (1)** 3 position exhaust centre  
(A)(B)  
(R1)(P1)(R2)

**5 (1)** 3 position pressure centre  
(A)(B)  
(R1)(P1)(R2)

Note 1) 3 position need two stations

**Seal**

0	Metal
1	Rubber

**Cylinder ports**

C3	One-touch fitting for ø3.2
C4	One-touch fitting for ø4
C6	One-touch fitting for ø6
M5	M5 thread
N1	One-touch fitting for ø1/8"
N3	One-touch fitting for ø5/32"
N7	One-touch fitting for ø1/4"
M5T	10-32 UNF thread

**Manual override**

- Non-locking push style
- B Push-locking slotted style
- C Push-locking lever style

Manual override on body side

Note) A manual override for pilot valve is provided to the standard model for double type.

**Indicator light and surge voltage suppressor**

—	Yes
E	No

**Function**

Symbol	Specification
—	1.0W(0.7MPa Max. operating pressure)
H	1.5W(0.8MPa Max. operating pressure)
K (1)	1.0W(1.0MPa Max. operating pressure)
Y	0.5W(0.7MPa Max. operating pressure)
N	Negative common

\* Only the following combination is possible.  
HN, KN, YN  
Note 1) Available only to metal seal type.

**Coil voltage**

5	24 V DC
6	12 V DC
9	50 V or less

Order Made Contact SMC for other voltages (9)

## How to Order Manifold Ass'y (Example)

**Ordering example**

Single solenoid (24V DC)  
VQ1130-5-C6 (4 sets)

Double solenoid (24V DC)  
VQ1230-5B-C6 (4 sets)

D-sub connector cable  
F kit (D-sub connector)

Manifold base (8 stations)  
VV5Q13-08FU2

Cylinder ports  
C6: With One-touch fitting for ø6

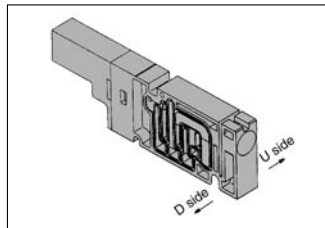
VV5Q13-08FU2-Q....1 set (F kit 8 station manifold base No.)  
VQ1130-5-C6-Q.....4 sets (Single solenoid No.)  
VQ1230-5B-C6-Q....4 sets (Double latching solenoid No.)

Specify valve and option nos. below the manifold base No.  
When arrangement is complicated, specify the nos. by using a manifold specification form.

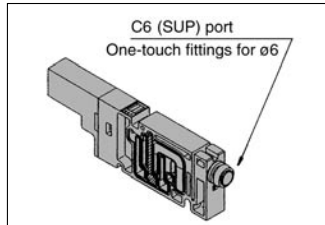
Protective class class III (Mark: ⚠)

## Manifold Options

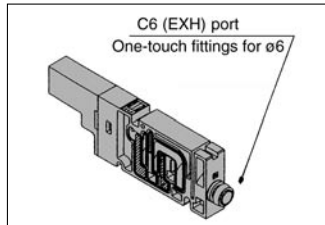
### Blank plate assembly VVQ1000-10A-3



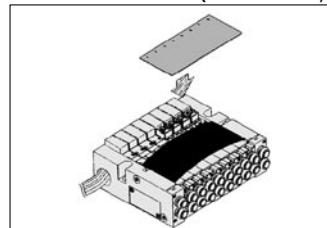
### Individual SUP spacer VVQ1000-P-3-C6



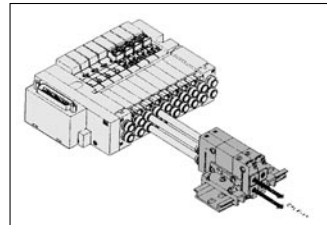
### Individual EXH spacer VVQ1000-R-3-C6



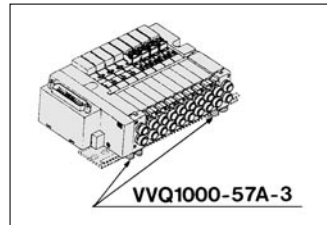
### Name plate [-N3] VVQ1000-N3-Station (1 to Max.stations)



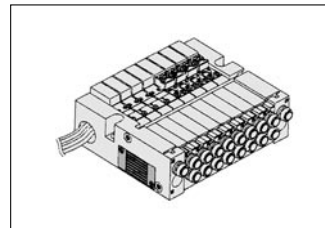
### Double check block VQ1000-FPG-□□



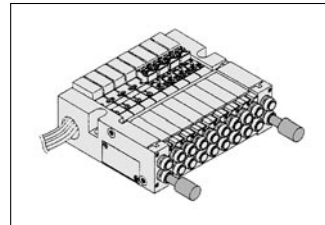
### DIN rail mounting bracket [-D] VVQ1000-57A-3



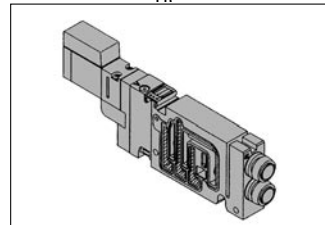
### Built-in silencer, Direct exhaust [-S]



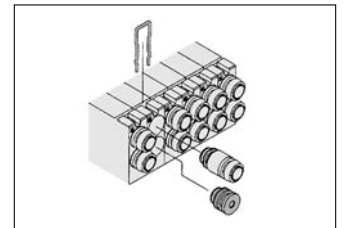
### Silencer AN103-X233



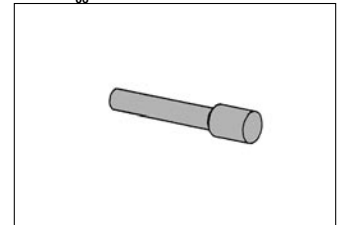
### Block valve VQ□□□□□□□□□□□□□□□□



### Port plug VVQ0000-58A



### Blank plug KQ2P-□□-00



- See p.1-615 for cylinder port fitting.
- See p.1-691 for replacement parts.

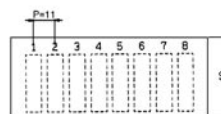
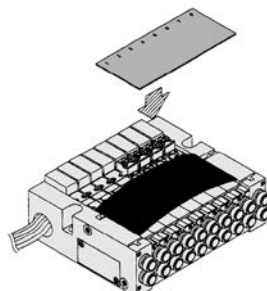
# VQ1000 Body Ported Plug-in Unit/Flip Style

## Manifold Options

### Name plate [-N3]

#### VVQ1000-N3-Station (1 to Max. stations)

It is a transparent resin plate for placing a label that indicates solenoid valve function, etc. Insert it into the groove on the side of the end plate and bend it as shown in the figure.



\* When ordering assemblies incorporated with a manifold, add suffix "-N" to the manifold No.

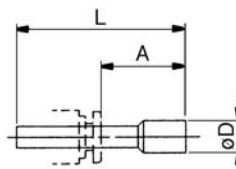
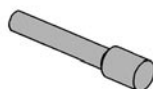
### Blank plug

#### KQ2P-<sup>23</sup>/<sub>06</sub>-00

● Colour: White

It is inserted into an unused cylinder port and SUP/ EXH ports.

The minimum order quantity is 10 pcs.



### Dimensions

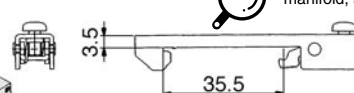
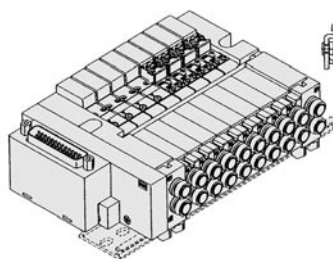
Fittings size ød	Model	A	L	D
3.2	KQ2P-23-00	16	31.5	5
4	KQ2P-04-00	16	32	6
6	KQ2P-06-00	18	35	8

### DIN rail mounting bracket

#### VVQ1000-57A-3

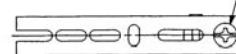
It is used for mounting a manifold on a DIN rail. The DIN rail mounting bracket is fixed to the manifold end plate. (The specification is the same as that for the option "-D".)

1 set of DIN rail mounting bracket is used for 1 set of manifold (2 DIN rail mounting brackets).



\* When ordering assemblies incorporated with a manifold, add suffix "-D" to the manifold No.

DIN rail clamp screw



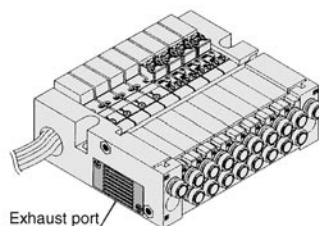
### Built-in silencer, Direct exhaust [-S]

This is an exhaust port on top of the manifold end plate. The built-in silencer exhibits an excellent noise suppression effect.

F, P and S kits are provided with single exhaust on one side.



Note) A large quantity of drainage generated in the air source results in exhaust of air together with drainage.  
● See p.1-615 for maintenance.



Exhaust port

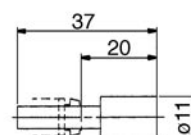
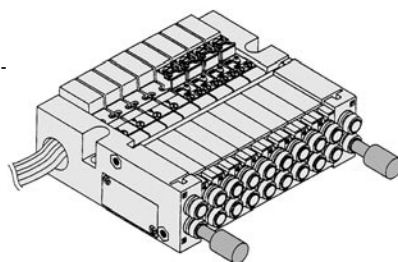


\* When ordering assemblies incorporated with a manifold, add suffix "-S" to the manifold No.

### Silencer

#### AN103-X233

This silencer is to be inserted into the EXH port (One-touch fitting) for the common exhaust.



### Dimensions

Series	Fitting size ød	Model	A	L	D	Effe. area (mm <sup>2</sup> )(Nl/min)	Silencing effect (dB)
VQ1000	6	AN103-X233	20	37	11	7 (392.6)	25

### Port plug

#### VVQ0000-58A

The plug is used to block the cylinder port when using a 4 port valve as a 3 port valve.

When ordering it incorporated with a manifold, suffix "A" or "B," the symbol of the plug port to the valve no.

Example) VQ1130-5L-C6-A

● A port, Plug

