

Replacement Parts

One-touch Fitting Assembly (for Cylinder port)

Fitting size	C3	C4	C6	C8	C10
VQZ1000	VVQ1000-50A-C3	VVQ1000-50A-C4	VVQ1000-50A-C6	—	—
VQZ2000	—	VVQ1000-51A-C4	VVQ1000-51A-C6	VVQ1000-51A-C8	—
VQZ3000	—	—	VVQ2000-51A-C6	VVQ2000-51A-C8	VVQ2000-51A-C10

Note) Purchasing order is available in units of 10 pieces.

<Plug connector assembly>

DC: SY100-30-4A-□

100 VAC: SY100-30-1A-□

200 VAC: SY100-30-2A-□

Other AC voltages: SY100-30-3A-□

Without lead wire: SY100-30-A
(with connector and 2 sockets only)

Lead wire length

Lead wire length	Part no.
Nil	300 mm
6	600 mm
10	1000 mm
15	1500 mm
20	2000 mm
25	2500 mm
30	3000 mm
50	5000 mm

How to Order

Include the connector assembly part number together with the part number for the plug connector's solenoid valve without connector.

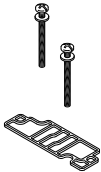
Example) In case of 2000 mm of lead wire

DC	AC
VQZ1150-5LO1-M5	VQZ1150-1LO1-M5
SY100-30-4A-20	SY100-30-1A-20

<Gasket and screw assembly>

	Part no.
VQZ1000	VQZ1000-GS-5
VQZ2000	VQZ2000-GS-5
VQZ3000	VQZ3000-GS-5

Note) The above part numbers are for 10 valves (a set of 10 gaskets and 20 screws).

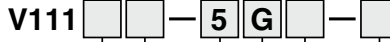


<Sub-plate>

Model	Sub-plate part no.	
	For internal pilot	For external pilot
VQZ1000	VQZ1000-S-01□ (-Q)	VQZ1000-S-01□ (-R (-Q))
VQZ2000	VQZ2000-S-02□ (-Q)	VQZ2000-S-02□ (-R (-Q))
VQZ3000	VQZ3000-S-03□ (-Q)	VQZ3000-S-03□ (-R (-Q))

* Thread type

<Pilot valve assembly>



Function

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B (Note)	High speed response type	(0.9 W) ○	—
K (Note)	High pressure type (Metal seal type only)	(0.9 W) ○	—

Note) Semi-standard

With or without manual override

Symbol	Specifications
Nil	Without manual override (For VQZ1000, 2000, 3000 standard type)
M	With manual override (For VQZ2000 compact body type)

Coil voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (115 VAC) (50/60 Hz)
4	220 VAC (230 VAC) (50/60 Hz)
5	24 VDC
6	12 VDC

Manual override (For VQZ2000 compact body type)

Nil	Non-locking push type
B	Locking type

Applicable model (Length of screws attached from each other.)

Symbol	Specifications
Nil	VQZ2000/3000
4	A and B side of VQZ1000 single, double solenoid type A side of VQZ1000 3 position
5	B side of VQZ1000 3 position

Electrical entry

Symbol	DC	AC	Electrical entry	Light/surge voltage suppressor
G	—	—	Grommet (DC specification)	None
LU	LZ	—	L-type plug connector with lead wire	—
LOU	LOZ	—	L-type plug connector without connector	—
MU	MZ	—	M-type plug connector with lead wire	Yes
MOU	MOZ	—	M-type plug connector without connector	—

<DIN terminal type (Applicable to the VQZ2000/3000)>



Function

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B (Note)	High speed response type	(0.9 W) ○	—
K (Note)	High pressure type (Metal seal type only)	(0.9 W) ○	—

Note) Semi-standard

Coil voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (115 VAC) (50/60 Hz)
4	220 VAC (230 VAC) (50/60 Hz)
5	24 VDC
6	12 VDC

Electrical entry

Symbol	Electrical entry	Light/surge voltage suppressor
Y	DIN terminal	None
YO	DIN terminal without connector	None
YZ	DIN terminal with light/surge voltage suppressor	Yes
YS	DIN terminal with surge voltage suppressor (DC specification)	Yes (Without light)
YOS	DIN terminal with surge voltage suppressor, without connector (DC specification)	Yes (Without light)

Note) For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.



Caution

When replacing only the pilot valve assembly, use caution because it is not possible to convert to a V115 (DIN terminal) from a V111 (Grommet, L-type, M-type), or vice versa.

VQZ1000/2000/3000 Series

Made to Order

Please contact SMC for detailed dimensions, specifications and lead times.



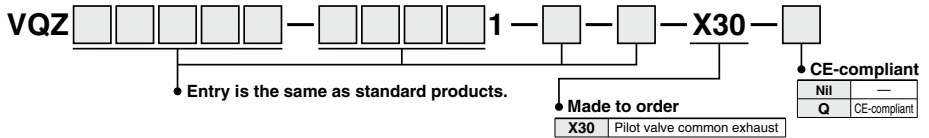
1 Pilot Valve Common Exhaust Specification

Pilot exhaust is exhausted through the main R port.

- * Not designed to prevent leakage to outside.
- * A combination of external pilots is not available.
- * A combination of metal seal and 2 position double is not available.
- * "How to Order Manifold" is the same as standard products. Please specify this to "How to Order Valve."

Applicable solenoid valve series: VQZ1000/2000/3000

How to Order



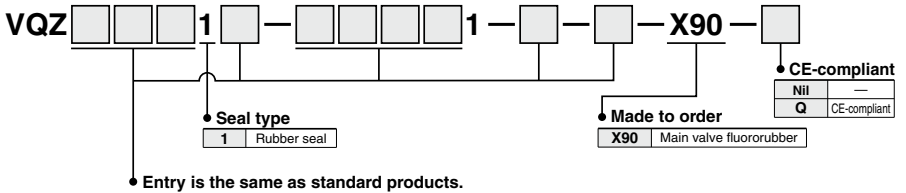
2 Main Valve Fluororubber Specification

The seal material, the part of the main valve in contact with fluid, is made of fluororubber.

- * "How to Order Manifold" is the same as standard products. Please specify this to "How to Order Valve."

Applicable solenoid valve series: VQZ1000/2000/3000

How to Order



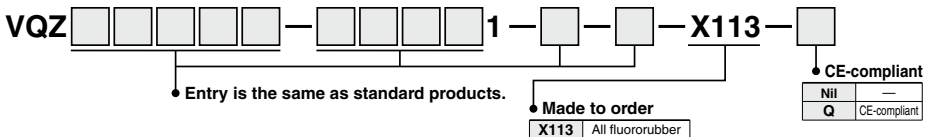
3 All Fluororubber Specification

The rubber material of the part in contact with fluid, is made of fluororubber.

- * "How to Order Manifold" is the same as standard products. Please specify this to "How to Order Valve."

Applicable solenoid valve series: VQZ1000/2000/3000

How to Order



SV
SYJ
SZ
VF
VP4
VQ 1/2
VQ 4/5
VQC 1/2
VQC 4/5
VQZ
SQ
VFS
VFR
VQ7