Base Mounted

Plug Lead Unit

5 Port Solenoid Valve

Series VQZ1000/2000/3000

Manifold Connector Kit

CE [Option]

How to Order Manifold

Made to Order **Made to Order** (For details, refer to page 975.)

VV5QZ 1 5 — 08 C6 C — N — ☐

Series

1	VQZ1000
2	VQZ2000
3	VQZ3000

Manifold type

5	Base mounted

Stations

02	2 stations
⋮	⋮
20	20 stations

Port size [4(A), 2(B) port]

Symbol	Port size	VQZ1000	VQZ2000	VQZ3000
C3	ø3.2 one-touch fitting	○	—	—
C4	ø4 one-touch fitting	○	○	—
C6	ø6 one-touch fitting	○	○	○
C8	ø8 one-touch fitting	—	○	○
C10	ø10 one-touch fitting	—	—	○
M5	M5 thread	○	—	—
01	Rc 1/8	—	○	—
02	Rc 1/4	—	—	○
CM Note 1)	Mixture of port sizes	○	○	○

Note 1) Specify port mixture/with port plug by the manifold specification sheet. Port mixture and port plug are available only for one-touch fitting type.
Note 2) For inch size one-touch fittings, refer to page 966.

Kit type

C	Connector

Option

Nil	None
D	DIN rail mounting (With standard DIN rail length)
D0 Note 1)	DIN rail mounting (Without DIN rail)
N	Name plate (Except VQZ1000)
R Note 1)	External pilot type

Note 1) Order DIN rail separately. For DIN rail part no., refer to page 960.
Note 2) For details on options and external pilot type, refer to page 966.
Note 3) When two or more symbols are specified, indicate them alphabetically.

CE compliant

Nil	—
Q	CE marked

How to Order Valve

VQZ 1 1 5 1 ☐ — 5 M ☐ ☐ 1 — ☐

Series

1	VQZ1000 body width 10 mm
2	VQZ2000 body width 15 mm
3	VQZ3000 body width 18 mm

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5 Note)	3 position pressure center
8	3 port for mixture mounting N.C.
9	3 port for mixture mounting N.O.

Note) There is no 3 position pressure center for the metal seal type of the VQZ1000 series.

Body type

5	Mase mounted

Seal type

0	Metal seal
1	Rubber seal

Function

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	Note 3) ○
B Note 1)	High speed response type	(0.9 W) ○	—
K Note 1)	High pressure type (Metal seal type only)	(0.9 W) ○	—
R Note 1, 2)	External pilot type	○	○
BR Note 1, 2)	High speed response/ External pilot type	(0.9 W) ○	—
KR Note 1, 2)	High pressure/External pilot type (Metal seal type only)	(0.9 W) ○	—

Note 1) Option
Note 2) For details on external pilot type, refer to page 966.
Note 3) For AC specification power consumption, refer to page 943.

Manual override

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)

Electrical entry

Symbol	Electrical entry	Light/surge voltage suppressor
G	Grommet (DC specification)	None
L	L-type plug connector with lead wire	Yes
LO	L-type plug connector without connector	
M	M-type plug connector with lead wire	
MO	M-type plug connector without connector	
Y Note 1)	DIN terminal	None
YO Note 1)	DIN terminal without connector	
YZ Note 1)	DIN terminal	Yes
YS Note 1)	DIN terminal (DC specification)	Yes
YOS Note 1)	DIN terminal without connector (DC specification)	(Without light)

Note 1) Applicable to the VQZ2000/3000. For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.
Note 2) Standard lead wire length: 300 mm

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

CE compliant

Nil	—
Q	CE marked

Note) AC-type models that are CE compliant have DIN terminals only.

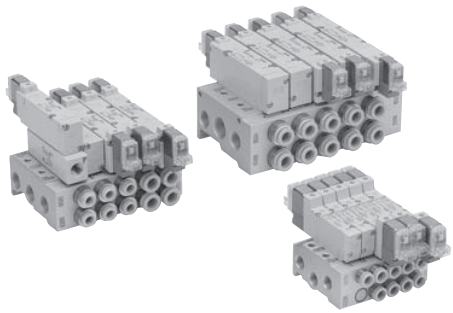
IP65 compliant

Nil	—
W Note)	Compliant

Note) VQZ2000/3000 DIN terminal rubber seal only (except external pilot). For details on IP65 enclosure, refer to page 966.

⚠ Caution

Use standard (DC) specification for continuous duty.



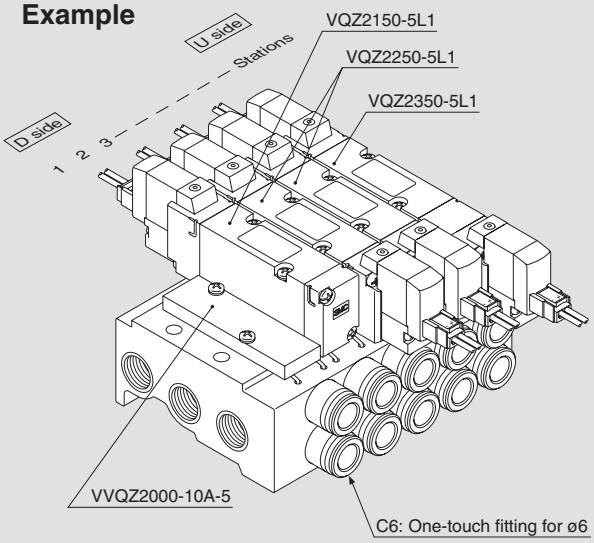
Manifold Specifications

Series	Base model	Piping specifications			Applicable solenoid valve	Applicable stations	Note) Manifold base mass (g)
		Piping direction	Port size				
			1(P), 3/5(R)	4(A), 2(B)			
VQZ1000	**VV5QZ15-□□□**	Side	Rc1/8	C3 (for ø3.2) C4 (for ø4) C6 (for ø6) M5 (M5 thread)	**VQZ1□50** **VQZ1□51**	2 to 20 stations	2 stations: 105 Addition per station: 27
VQZ2000	**VV5QZ25-□□□**	Side	Rc1/4	C4 (for ø4) C6 (for ø6) C8 (for ø8) Rc 1/8	**VQZ2□50** **VQZ2□51**	2 to 20 stations	2 stations: 193 Addition per station: 54
VQZ3000	**VV5QZ35-□□□**	Side	1(P) port Rc 3/8 3/5(R) port Rc 1/4	C6 (for ø6) C8 (for ø8) C10 (for ø10) Rc 1/4	**VQZ3□50** **VQZ3□51**	2 to 20 stations	2 stations: 398 Addition per station: 102

Note) Weight without sub-plate.

How to Order Manifold Assembly (Example)

Example



VV5QZ25-05C6C ··· 1 set (C kit 5-station manifold base part no.)
*** VVQZ2000-10A-5 ··· 1 set (Blanking plate assembly part no.)**
*** VQZ2150-5L1 ····· 1 set (Single type part no.)**
*** VQZ2250-5L1 ····· 2 sets (Double type part no.)**
*** VQZ2350-5L1 ····· 1 set (3 position type part no.)**

The asterisk denotes the symbol for assembly.
Prefix it to the part nos. of the solenoid valve, etc.

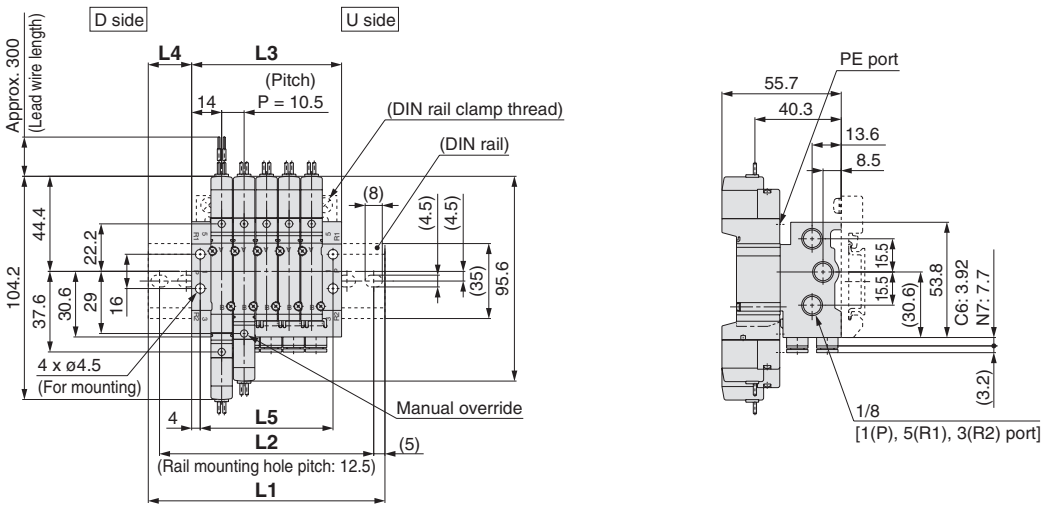
Enter in order starting from the first station on the D side.

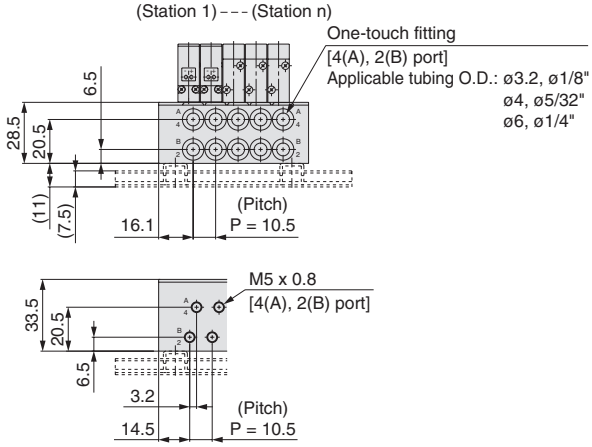
Add the valve and option part number under the manifold base part number.
When entry of part numbers becomes complicated, indicate by the manifold specification sheet.

Dimensions: VQZ1000

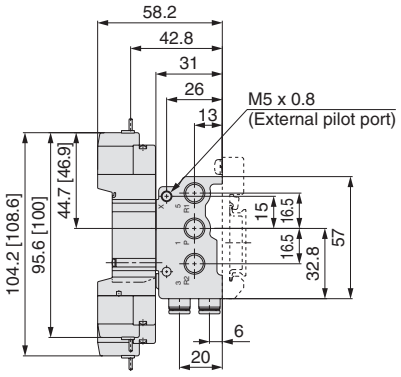
VV5QZ15- Stations Port size C

Grommet (G)





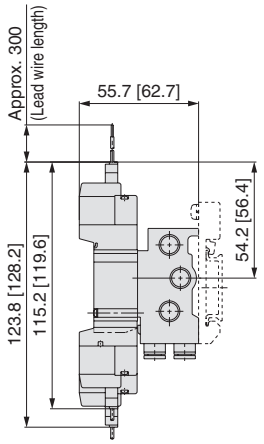
M5



External pilot

The dashed lines indicate the DIN rail mounting [-D].

L-type plug connector (L)

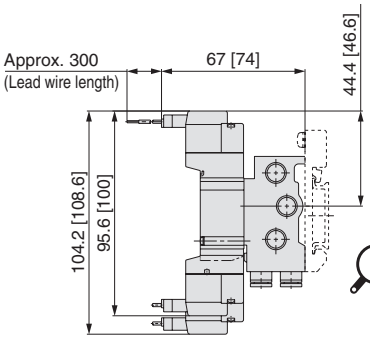


The dashed lines indicate the DIN rail mounting [-D].

Unless otherwise indicated, dimensions are the same as Gormmet (G).

[ ]: AC

M-type plug connector (M)



The dashed lines indicate the DIN rail mounting [-D].

Unless otherwise indicated, dimensions are the same as Grommet (G).

[ ]: AC

Dimensions

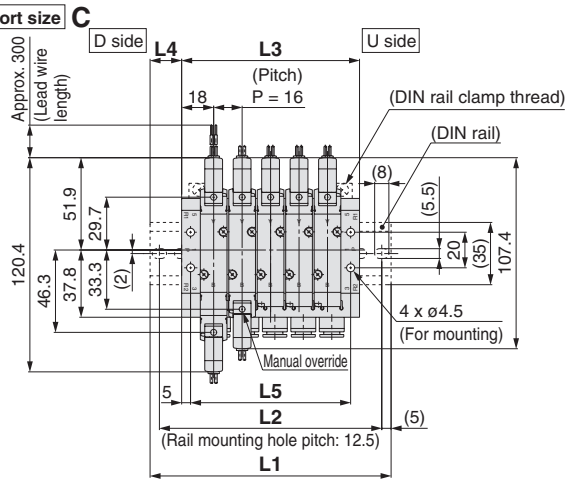
Formula: L1 = 10.5n + 9.5 L2 = 10.5n + 17.5 n: Stations (Max. 20 stations)

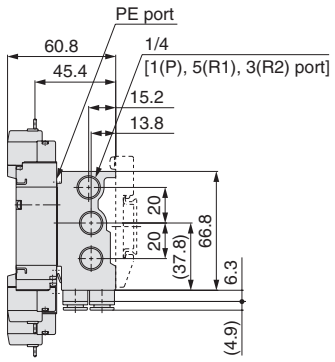
L \ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	73	85.5	98	110.5	110.5	123	135.5	148	160.5	173	185.5	185.5	198	210.5	223	235.5	248	248	260.5
L2	62.5	75	87.5	100	100	112.5	125	137.5	150	162.5	175	175	187.5	200	212.5	225	237.5	237.5	250
L3	38.5	49	59.5	70	80.5	91	101.5	112	122.5	133	143.5	154	164.5	175	185.5	196	206.5	217	227.5
L4	17.5	18.5	19.5	20.5	15	16	17	18	19	20	21	16	17	18	19	20	21	15.5	16.5
L5	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5	146	156.5	167	177.5	188	198.5	209	219.5

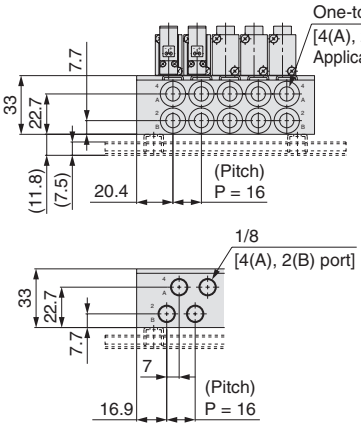
Dimensions: VQZ2000

VV5QZ25- Stations Port size C

Grommet (G)







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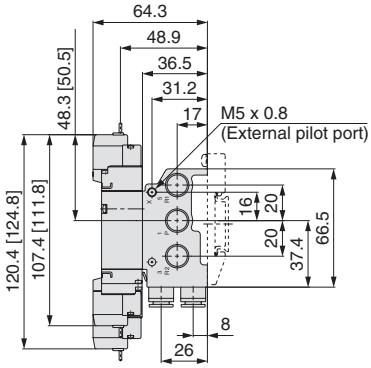
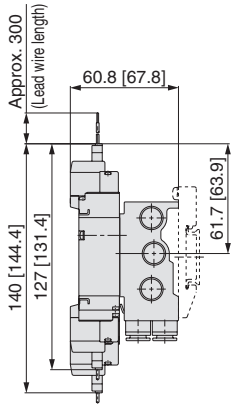


External pilot

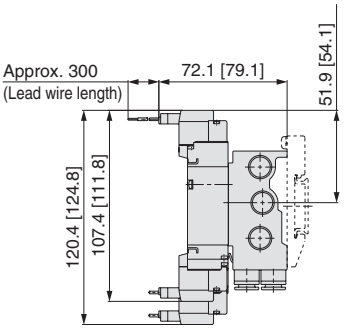
The dashed lines indicate the DIN rail mounting [-D].

L-type plug connector (L)



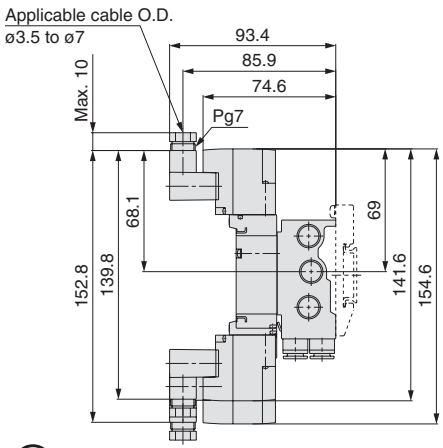
The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).
[ ]: AC

M-type plug connector (M)



The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).
[ ]: AC

DIN terminal (Y)



The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).

Dimensions

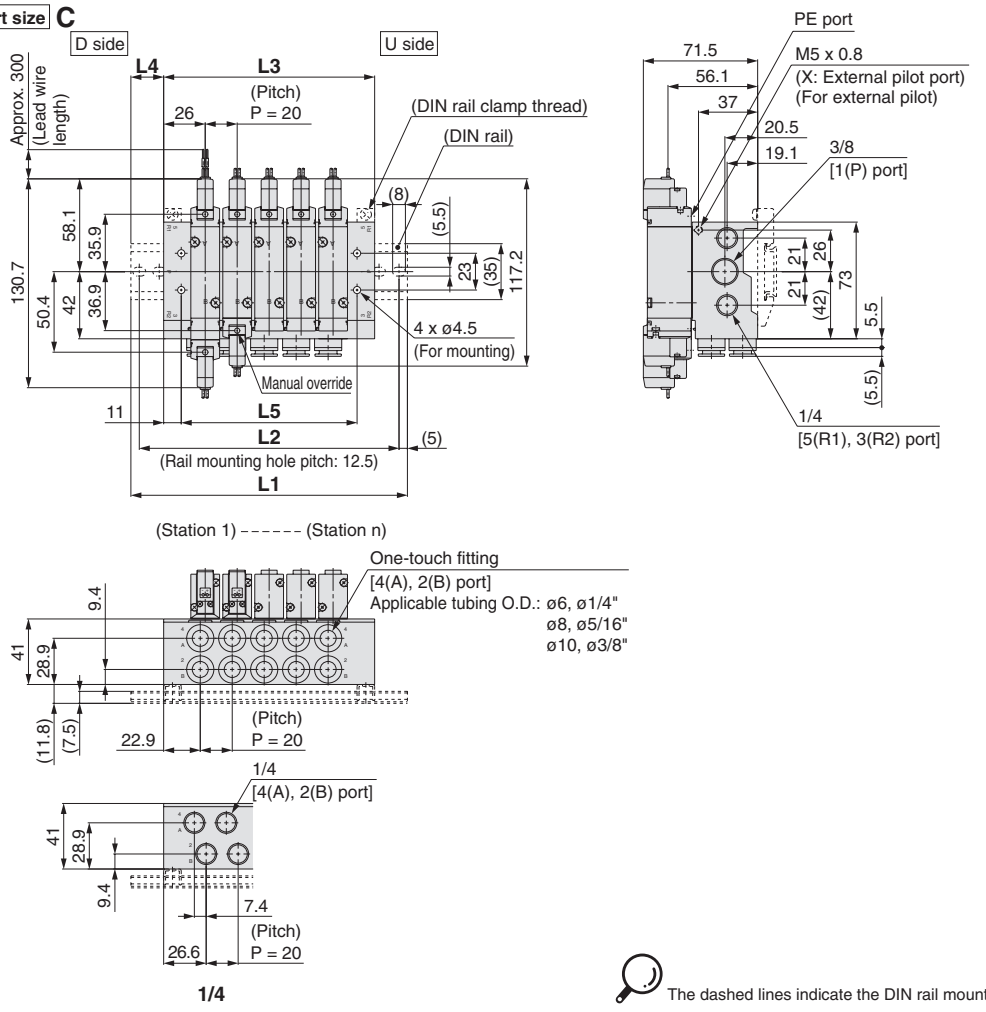
Formula: L1 = 16n + 10 L2 = 16n + 20 n: Stations (Max. 20 stations)

L \ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	85.5	98	123	135.5	148	173	185.5	198	210.5	235.5	248	260.5	285.5	298	310.5	323	348	360.5	373
L2	75	87.5	112.5	125	137.5	162.5	175	187.5	200	225	237.5	250	275	287.5	300	312.5	337.5	350	362.5
L3	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340
L4	17	15	19.5	18	16	20.5	19	17	15.5	20	18	16.5	21	19	17.5	15.5	20	18.5	16.5
L5	42	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314	330

Dimensions: VQZ3000

VV5QZ35- Stations Port size C

Grommet (G)



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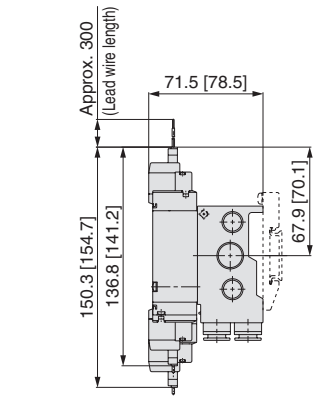
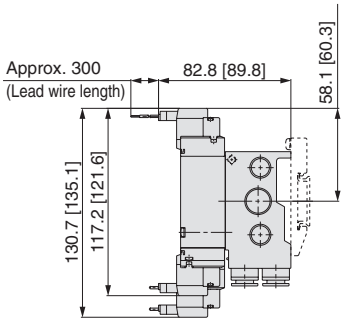
The dashed lines indicate the DIN rail mounting [-D].

L-type plug connector (L)



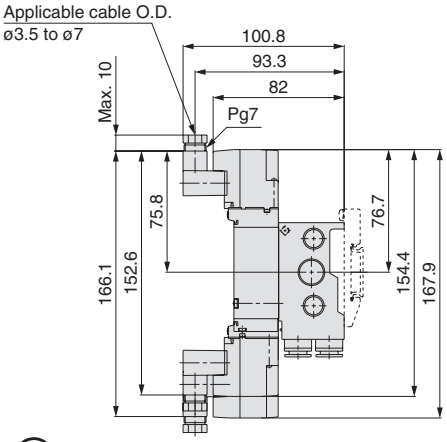
The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).
[ ]: AC

M-type plug connector (M)



The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).
[ ]: AC

DIN terminal (Y)



The dashed lines indicate the DIN rail mounting [-D].
Unless otherwise indicated, dimensions are the same as Grommet (G).

Dimensions

Formula: L1 = 20n + 10 L2 = 20n + 32 n: Stations (Max. 20 stations)

L \ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	110.5	123	148	173	185.5	210.5	223	248	273	285.5	310.5	323	348	373	385.5	410.5	423	448	473
L2	100	112.5	137.5	162.5	175	200	212.5	237.5	262.5	275	300	312.5	337.5	362.5	375	400	412.5	437.5	462.5
L3	72	92	112	132	152	172	192	212	232	252	272	292	312	332	352	372	392	412	432
L4	19.5	15.5	18	20.5	17	19.5	15.5	18	20.5	17	19.5	15.5	18	20.5	17	19.5	15.5	18	20.5
L5	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390	410