## **Base Mounted**

**Plug Lead Unit** 

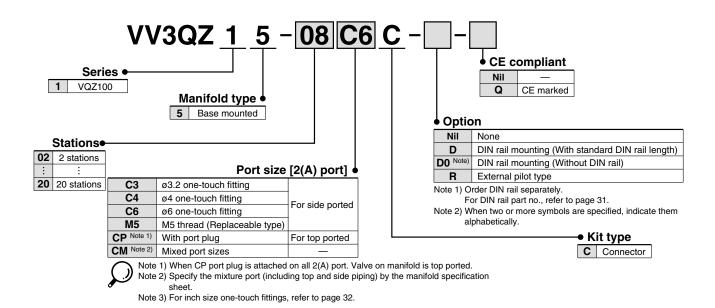
## 3 Port Solenoid Valve

# Series VQZ100/200/300

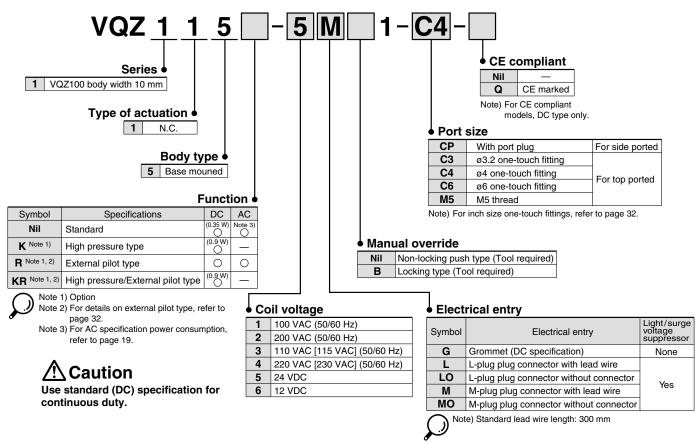
Manifold Connector Kit



### VQZ100 / How to Order Manifold



## VQZ100 / How to Order Valve

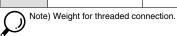


## Base Mounted Series VQZ100/200/300

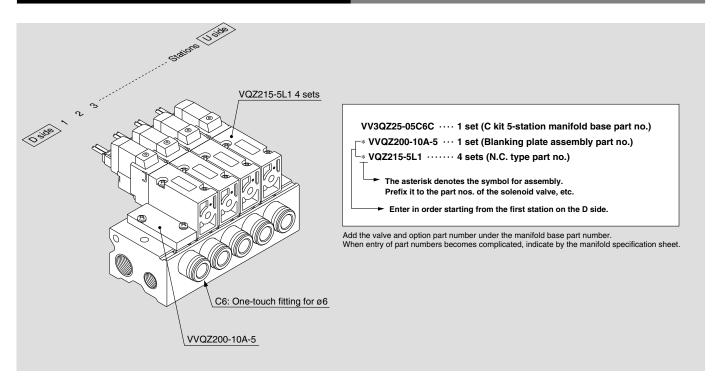
## **Manifold Specifications**



		Pip	ing spec	ifications	Applicable	A 11 11	Note) Manifold	
Series	Base model	Piping	ı	Port size	solenoid	Applicable stations	base	
		direction	1(P), 3(R)	2(A)	valve		weight (g)	
VQZ100	VV3QZ15-□□□	Side/Top	Rc 1/8	C3 (for ø3.2) C4 (for ø4) C6 (for ø6) M5 (M5 thread)	VQZ115	2 to 20 stations	2 stations: 83 Addition per station: 19	
VQZ200	VV3QZ25-□□□	Side	Rc 1/4	C4 (for ø4) C6 (for ø6) C8 (for ø8) Rc 1/8	VQZ2□5	2 to 20 stations	2 stations: 126 Addition per station: 38	
VQZ300	VV3QZ35-□□□	Side	1(P) port Rc 3/8 3(R) port Rc 1/4	C6 (for Ø6) C8 (for Ø8) C10 (for Ø10) Rc 1/4	VQZ3□5	2 to 20 stations	2 stations: 209 Addition per station: 60	



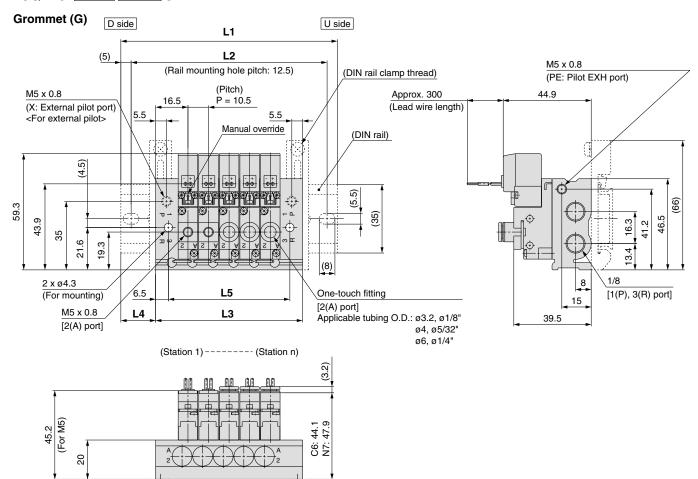
## **How to Order Manifold Assembly (Example)**



## Series VQZ100/200/300

## **Dimensions: VQZ100: Top Ported**

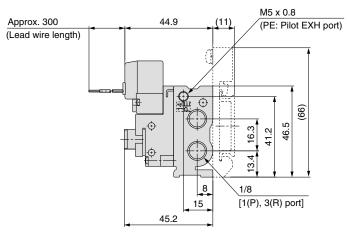
## VV3QZ15- Stations Port size C



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

#### М5

(7.5)

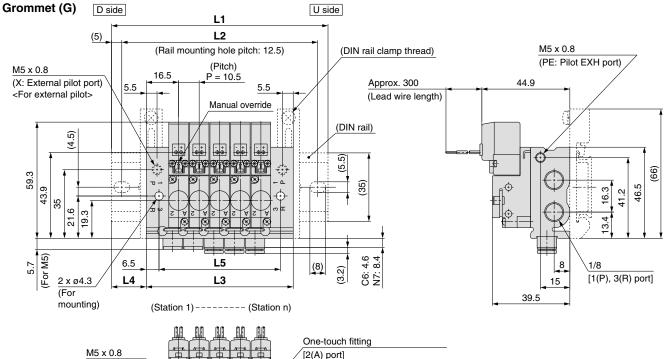


Dimer	sions									F	ormula: I	_5 = 10.5	5n + 9.5	L3 = 10	).5n + 22	2.5 n: S	tations (I	Max. 20	stations)
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	85.5	85.5	98	110.5	123	135.5	148	148	160.5	173	185.5	198	210.5	210.5	223	235.5	248	260.5	273
L2	75	75	87.5	100	112.5	125	137.5	137.5	150	162.5	175	187.5	200	200	212.5	225	237.5	250	262.5
L3	43.5	54	64.5	75	85.5	96	106.5	117	127.5	138	148.5	159	169.5	180	190.5	201	211.5	222	232.5
L4	21	16	17	18	19	20	21	15.5	16.5	17.5	18.5	19.5	20.5	15.5	16.5	17.5	18.5	19.5	20.5
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

## Base Mounted Series VQZ100/200/300

## **Dimensions: VQZ100: Side Ported**

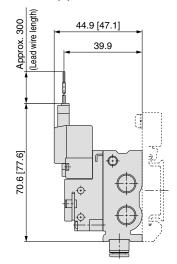
#### VV3QZ15- Stations Port size C



#### 



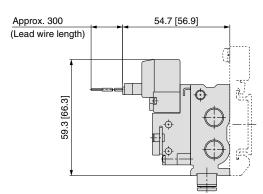
#### L-type plug connector (L)



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

[ ]: AC

## M-type plug connector (M)



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

[ ]: AC

	.0.00										ommaia.	_0 - 10.0	311 1 0.0			0	iaiioiio (i	WIGA. LO	otationoj
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	85.5	85.5	98	110.5	123	135.5	148	148	160.5	173	185.5	198	210.5	210.5	223	235.5	248	260.5	273
L2	75	75	87.5	100	112.5	125	137.5	137.5	150	162.5	175	187.5	200	200	212.5	225	237.5	250	262.5
L3	43.5	54	64.5	75	85.5	96	106.5	117	127.5	138	148.5	159	169.5	180	190.5	201	211.5	222	232.5
L4	21	16	17	18	19	20	21	15.5	16.5	17.5	18.5	19.5	20.5	15.5	16.5	17.5	18.5	19.5	20.5
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

## Series VQZ100/200/300

## **Manifold Options**

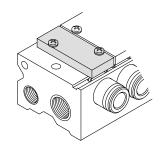
Blanking plate assembly

VVQZ100-10A-5 (for VQZ100)

VVQZ200-10A-5 (for VQZ200)

VVQZ300-10A-5 (for VQZ300)

It is used by attaching on the manifold block for being prepared for removing a valve for maintenance reasons or planning to mount a spare valve, etc.



## Blanking plug

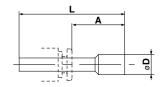
**KQ2P-23** 

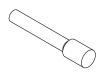
KQ2P-04

**KQ2P-06** 

**KQ2P-08** 

**KQ2P-10** 



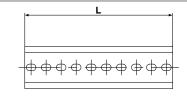


<b>Dimensions</b> (mm)										
Applicable fitting size ød	Model	A	L	D						
3.2	KQ2P-23	16	31.5	3.2						
4	KQ2P-04	16	32	6						
6	KQ2P-06	18	35	8						
8	KQ2P-08	20.5	39	10						
10	KQ2P-10	22	43	12						

# DIN rail AXT100-DR-□

\* As for  $\square$ , enter the number from the DIN rail dimensions table. For L dimension, refer to the dimensions of each kit.

Each manifold can be mounted on a DIN rail. Insert "D" at the end of the manifold part number. The DIN rail is approximately 30 mm longer than the length of manifold.

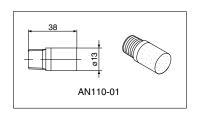


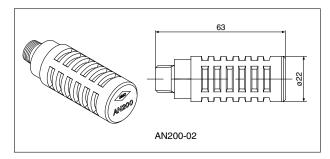


<b>L Dimension</b> L = 12.5n + 10.5																				
No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L dimension	23	35.5	48	60.5	73	85.5	98	110.5	123	135.5	148	160.5	173	185.5	198	210.5	223	235.5	248	260.5
No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
L dimension	273	285.5	298	310.5	323	335.5	348	360.5	373	385.5	398	410.5	423	435.5	448	460.5	473	485.5	498	510.5

## Silencer (for manifold EXH port)

Silencer is installed in the manifold EXH port.





## Dimensions

Model	Silencer part no.
<b>VQZ100</b>	AN110-01
<b>VQZ200</b>	AN200-02
<b>VQZ300</b>	AN200-02

# Port plug VVQZ100-CP (for VQZ100)

This is used when changing piping location. (Side or Top)



# Series VQZ Base Mounted Options

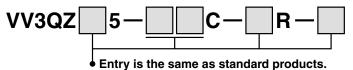
## **External Pilot Specification**

The external pilot specification is used when the operating pressure is below the minimum operating pressure 0.1 to 0.15 MPa or when valve is used for a vacuum application. Order a valve by adding the external pilot specification [R] to the part number.



Entry is the same as standard products.

#### Manifold Part No.





	Series	VQZ100 Note 2)	VQZ200/300						
Note 1)	Metal seal	_	0.1 to 0.7 MPa						
External pilot pressure range	Rubber seal (VQZ100: poppet)	0.2 to 0.7 MPa	0.15 to 0.7 MPa						
Operating press	sure range Note 1)	-100 kPa to 0.7 MPa							

External pilot port

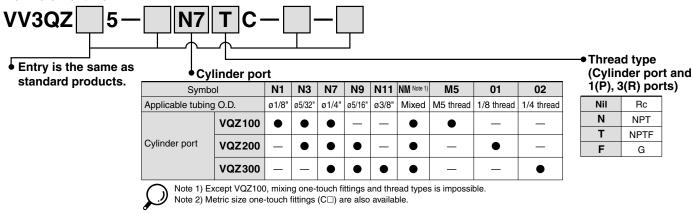
Note 1) In case of the high pressure type, upper limit of max. operating pressure and external pilot pressure range is 1 MPa.

Note 2) When using the VQZ100 series for a vacuum application, vacuum air through its 1(P) port. When supplying vacuum-release air, supply it through its 3(R) port. But do not supply vacuum-release air exceeding 50% for the external pilot pressure.

## **Inch Size One-touch Fittings and Optional Threads**

Inch size one-touch fittings and NPT, NPTF and G thread are available.

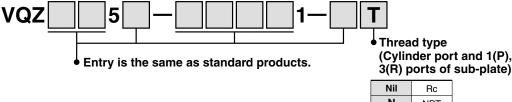




## **Optional Threads Other than Rc**

Rc specifications are standard for all ports, however, NPT, NPTF and G are available for overseas markets. Add the appropriate symbol following the port size in the standard part number.

## Valve Part No.



Nil	Rc
N	NPT
Т	NPTF
F	G

## IP65 Enclosure (Based on IEC529)

DIN terminal is available with IP65 enclosure.

#### Valve Part No.

(Applicable to the VQZ200/300 rubber seal with the exception of the external pilot type)

