

Series VCL

How to Order Manifold

VV2C L 2 02 01

For oil
In the case of no symbol for material
• Base material: C37
• Seal material: FKM (4 stations or more)

Series

2	Class 2
3	Class 3
4	Class 4

Material

Symbol	Base material	Seal material
Nil	C37	FKM
H	Stainless steel	

Thread type

Symbol	Thread type
Nil	Rc
N	NPT
F	G

OUT port size

Symbol	Port size
01	1/8 (6A)
02	1/4 (8A)

* All IN ports are 3/8.

Stations

02	2 stations
:	:
10	10 stations

* Refer to page 17-2-37 in the L dimension table regarding the maximum number of stations.



How to Order Manifold Assembly

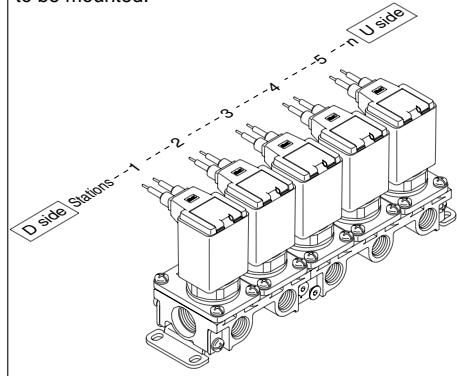
Enter the mounting valve and option part numbers under the manifold base part number.

<Ordering Example>

VV2CL2-0501 1 set Manifold part no.
* VCL23-5G-2 5 sets Valve part no. (Stations 1 to 5)

"*" is the symbol for assembly. Add an "*" in front of the part numbers for solenoid valves, etc., to be mounted.

Enter together in order, counting from station 1 on the D side.



How to Order Valves (For manifold)

VC L 2 3 1 G 2

For oil
When there is no symbol for oil material and insulation type
• Body material: C37
• Seal material: FKM
• Coil insulation: Class B

Series

2	Class 2
3	Class 3
4	Class 4

Valve type

3	N.C. for manifold
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Voltage

1	100 VAC
2	200 VAC
3	110 VAC
4	220 VAC
5	24 VDC
6	12 VDC
36	230 VAC

* Class B in AC has a rectifying circuit built-in.
** Class H is AC only. No rectifying circuit.
***Please consult with SMC regarding other voltages.

Material and insulation type

Symbol	Body material	Seal material	Coil insulation type
Nil	C37	FKM	Class B
D			Class H
H	Stainless steel	FKM	Class B
N			Class H

Orifice size

Symbol	Orifice size (mmø)	Class 2	Class 3	Class 4
2	2	○	—	—
3	3	○	○	○
4	4	○	○	○
5	5	○	○	○
7	7	—	○	○

Electrical entry

G	Grommet
C	Conduit
T	Conduit terminal
TL	Conduit terminal with indicator light (Note 1)
D	DIN terminal
DL	DIN terminal with indicator light
DO	DIN terminal (without connector)

* All class B coils come with surge voltage suppressor.
** Available types of electrical entry for type H coil are either G, C or T. (without surge voltage suppressor.)
Note 1) TL is available only for standard specifications valve.

Manifold Option

Blanking plate assembly

VVCW 2 1486-3A-H

Series

2	Class 2
3	Class 3
4	Class 4

Material

Symbol	Plate material	Seal material
H	Stainless steel	FKM

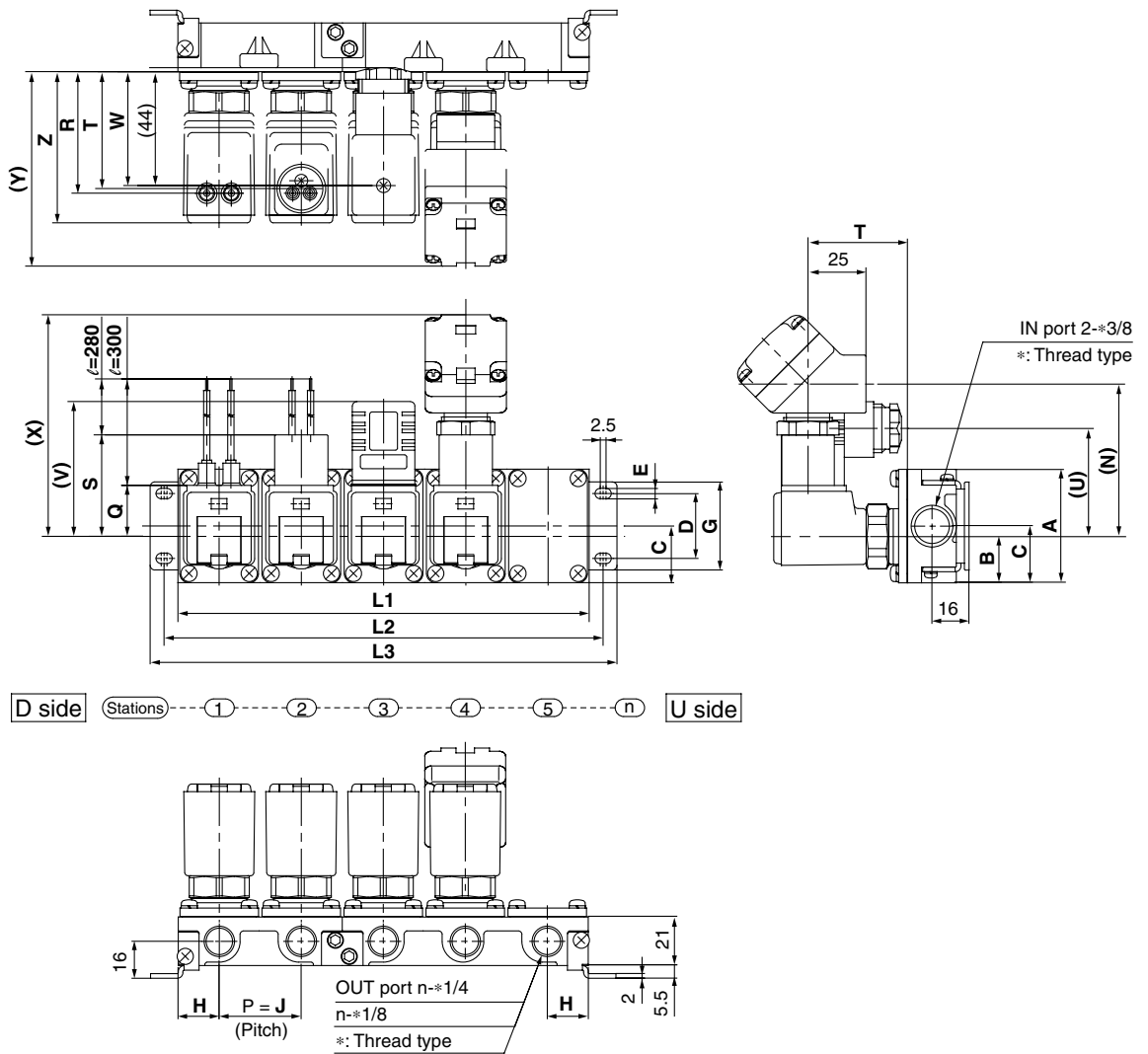
JIS Symbol



This is used by mounting it on the manifold block when a valve is removed for maintenance or when the mounting of an additional valve is planned, etc.

Direct Operated 2 Port Solenoid Valve For Oil Series VCL

Dimensions (N.C.)



- VC□
- VDW
- VQ
- VX2
- VX□
- VX3
- VXA
- VN□
- LVC
- LVA
- LVH
- LVD
- LVQ
- LQ
- LVN
- TI/
TIL
- PA
- PAX
- PB

L Dimension

Model	Dimensions	n (stations)								
		2	3	4	5	6	7	8	9	10
VV2CL2	L1	69	103.5	138	172.5	207	241.5	276	310.5	345
	L2	81	115.5	150	184.5	219	253.5	288	322.5	357
	L3	93	127.5	162	196.5	231	265.5	300	334.5	369
VV2CL3	L1	77	115.5	154	192.5	231	269.5	308	346.5	385
	L2	89	127.5	166	204.5	243	281.5	320	358.5	397
	L3	101	139.5	178	216.5	255	293.5	332	370.5	409
VV2CL4	L1	83	124.5	166	207.5	249	290.5	332	373.5	415
	L2	95	136.5	178	219.5	261	302.5	344	385.5	427
	L3	107	148.5	190	231.5	273	314.5	356	397.5	439

Manifold composition 2 stns. x 1 3 stns. x 1 2 stns. x 2 2 stns. + 3 stns. 3 stns. x 2 2 stns. x 2 + 3 stns. 2 stns. + 3stns. x 2 3 stns. x 3 2 stns. x 2 + 3 stns. x 2

Note) Manifold base is consisted of the junction of 2 and 3 station bases.

Dimensions

Model	A	B	C	D	E	G	H	J	Z	Electrical entry									
										Grommet			Conduit		DIN terminal			Conduit terminal	
										Q	R	S	T	U	V	W	N	X	Y
VV2CL2	49	20	24.5	28	4.5	38	17.3	34.5	56	22	45.5	44	43.5	46	58	41.5	66	99	77
VV2CL3	57	25.5	28.5	30	5.5	42	19.3	38.5	66	24	55	45.5	53	48	60	51	68	101	86.5
VV2CL4	57	25.5	28.5	30	5.5	42	20.8	41.5	74	26	62.5	47.5	60.5	50	62	58.5	70	103	94