

How to Order Manifold

VV2C W 2 02 01

For water
When there is no symbol for material
• Manifold material: C37
• Seal material: NBR (4 stations or more)

Series

2	Class 2
3	Class 3
4	Class 4

Material

Symbol	Base material	Seal material
Nil	C37	NBR
A		FKM
B		EPDM
C		PTFE
G	Stainless steel	NBR
H		FKM
J		EPDM
K		PTFE

Stations

02	2 stations
...	...
10	10 stations

* Refer to page 17-2-58/59 in the L dimension table regarding the maximum number of stations.

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.



How to Order Manifold Assembly

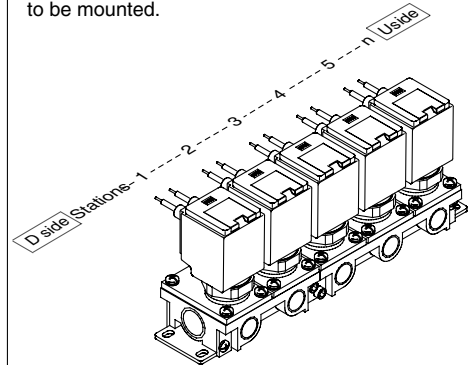
Enter the mounting valve and option part numbers under the manifold base part number.

<Ordering Example>

VV2CW2-0501..... 1 set Manifold part no.
* VCV23-5G-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 W 2 3 1 G 2

For water
When there is no symbol for material and type of insulation
• Body material: C37
• Seal material: NBR
• Coil insulation: Class B

Series

2	Class 2
3	Class 3
4	Class 4

Valve type

3	N.C. for manifold
4	N.O. for manifold

Material and insulation type

Symbol	Body material	Seal material	Coil insulation type	Note
Nil	C37	NBR	B	
A		FKM		
B		EPDM		
C		PTFE		
G	SUS	NBR		
H		FKM		
J		EPDM		
K		PTFE		
L		FKM		

Note) High corrosion resistant specification used for armature material.

Orifice size

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

Voltage

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

* Please consult with SMC regarding other voltages.

Electrical entry

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

* All types are equipped with surge voltage suppressor.

Manifold Option

Blanking plate assembly

VVCW 2 0 - 3A - G

Series

2	Class 2
3	Class 3
4	Class 4

Material

Symbol	Plate material	Seal material
G	Stainless steel	NBR
H		FKM
J		EPDM
K		PTFE

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.

VC

VDW

VQ

VX2

VX

VX3

VXA

VN

LVC

LVA

LVH

LVD

LVQ

LQ

LVN

TI/TIL

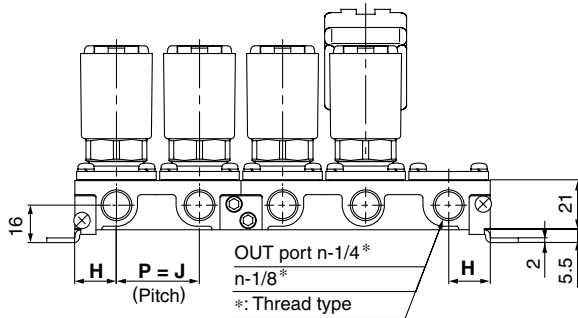
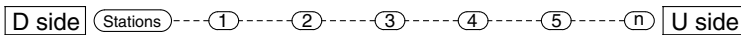
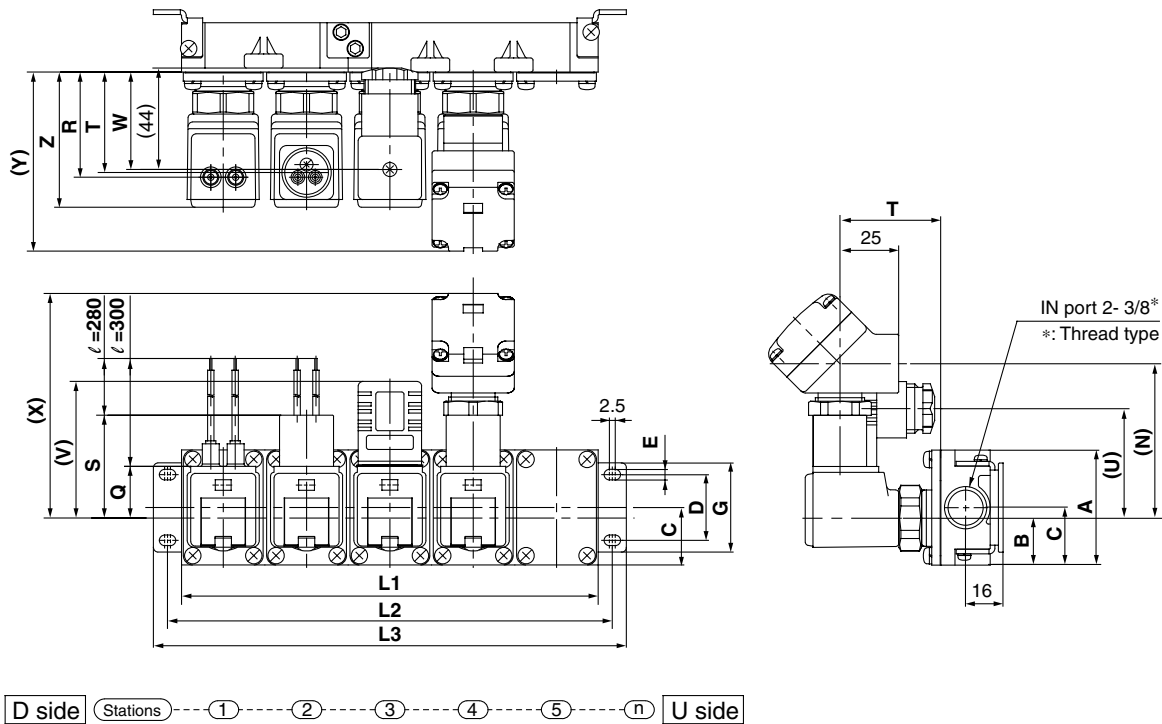
PA

PAX

PB

Series VCV

Dimensions (N.C.)



L Dimension

(mm)

Model	Dimensions	n (stations)									
		2	3	4	5	6	7	8	9	10	
VV2CW2	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	
VV2CW3	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	
VV2CW4	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. + 3stns.	3 stns. x 2	2 stns. x 2 + 3 stns.	2 stns. + 3 stns. 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.

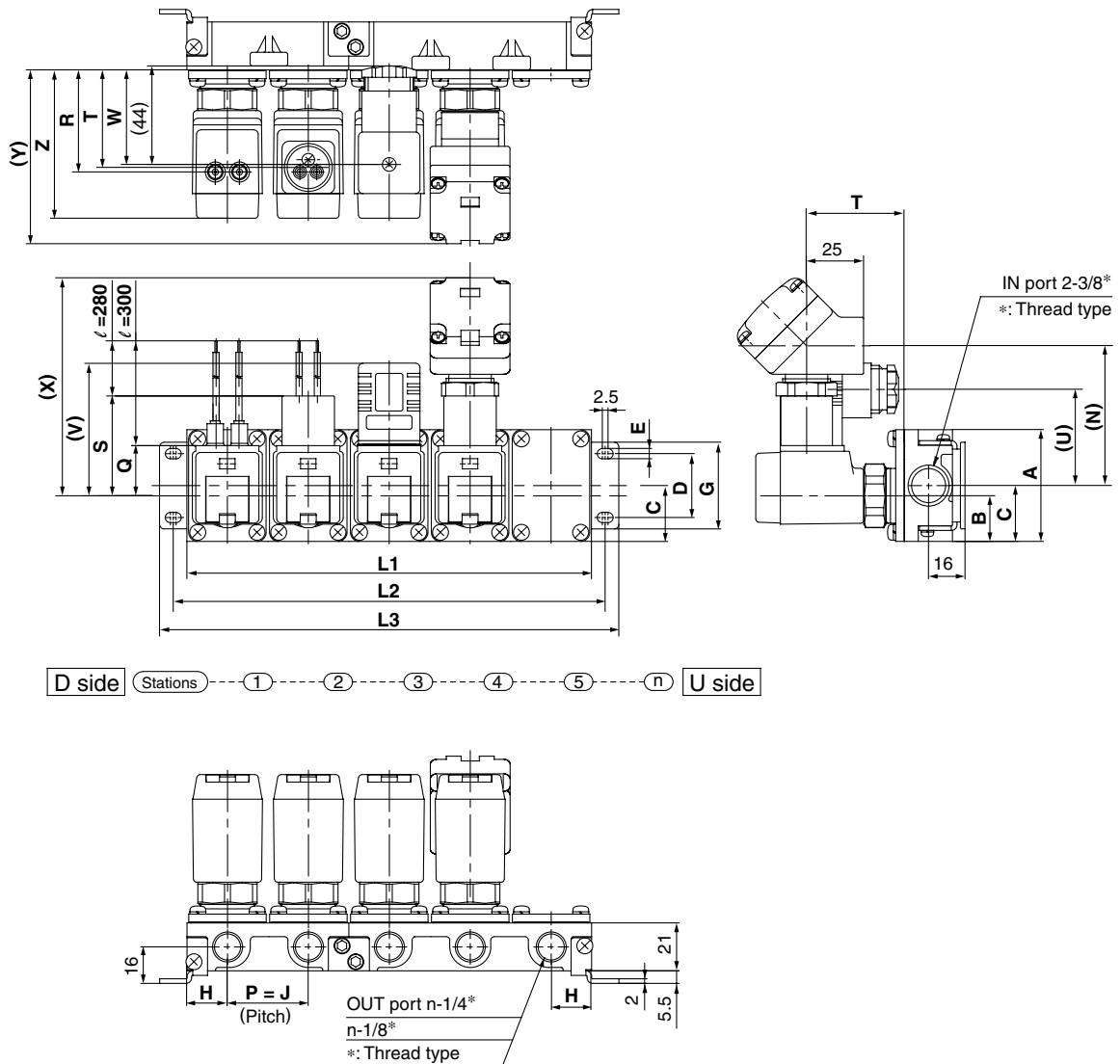
Dimensions

(mm)

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
VV2CW2	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
VV2CW3	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
VV2CW4	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

Direct Operated 2 Port Solenoid Valve For Water Series VCV

Dimensions (N.O.)



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	
VV2CW2	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	
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	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. + 3 stns. 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									
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