Series VZ3000/Body Ported **Manifold Specifications**

Manifold Standard



Manifold Specifications

Model		Type 20
Manifold type		Single base/B mount
P(SUP)/R(EXH)		Common SUP/Common EXH
Valve stations		2 to 20 stations
4(A), 2(B) port lo	cation	Valve
Port size 1(P), 3/5(R) port		Rc 1/8
1 011 3120	4(A), 2(B) port	M5 x 0.8, C4, C6

Flow Characteristics

				ize	Flow characteristics						
Manifold			1(P), 5/3(R)	2(B), 4(A)	1 → 4/2	$(P \rightarrow$	A/B)	$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{R)}$			
			port	port	C [dm³/(s·bar)] b C		Cv	C [dm3/(s-bar)]	b	Cv	
Dady parted -			1/8	M5 x 0.8	0.46	0.39	0.12	0.75	0.32	0.19	
Body ported Type For internal pilot VV5Z3-20		VZ3□2□	1/8	C4	0.62	0.33	0.16	0.83	0.27	0.20	
For internal pilot VV523-20			1/8	C6	0.79	0.36	0.21	0.91	0.36	0.24	



Note) Value at manifold base mounted, 2 position single operating

How to Order Manifold

Instruct by specifying the valves and blanking plate assembly to be mounted on the manifold along with the manifold base model no.

(Example) VV5Z3-20-031...... 1 pc. (Manifold base)

*VZ3120-5G-M5...... 2 pcs. (Valve)

*DXT192-13-1A 1 pc. (Blanking plate assembly)

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

Flat Ribbon Cable Manifold

One-touch wiring to consolidate connection of external wires.

Clean appearance

The flat cable provides wiring on a printed circuit board to the individual valves at the manifold base, enabling the consolidation of external wiring at a touch through a 26 pins MIL connector.



Flat Ribbon Cable Manifold Specifications

		•					
Model		Type 20P					
Manifold type		Single base/B mount					
P(SUP), R(EXH)		Common SUP/Common EXH					
Valve stations		3 to 12 stations					
4(A), 2(B) port lo	cation	Valve					
Port size	1(P), 3/5(R) port	Rc ¹ / ₈					
1 011 3126	4(A), 2(B) port	M5 x 0.8, C4, C6					
Applicable flat rib	bon	Socket: 26 pins MIL, with strain relief					
cable connector		(Conforming to MIL-C-83503)					
Internal wiring		+ COM (For – COM specifications, specify them separately.)					
Applicable valve	model	VZ3□23- ¹ ₅ MOZ□- ^{M5} _{C6}					
Rated voltage		100 VAC 50/60 Hz, 110 VAC 50/60 Hz, 24 VDC, 12 VDC					
Note) Withst	and voltage specifica	ations of wiring unit part is equivalent to JIS C 0704 class 1.					



Manifold			Port	size	Flow characteristics						
			1(P), 5/3(R)	2(B), 4(A)	$1 \rightarrow 4/2 \ (P \rightarrow A/B)$			$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{R)}$			
			port	port	C [dm3/(s-bar)]	b	Cv	C [dm3/(s-bar)]	b	Cv	
	1/8	M5 x 0.8	0.46	0.39	0.12	0.75	0.32	0.19			
Body ported	Type VV5Z3-20P	VZ3□23	1/8	C4	0.62	0.33	0.16	0.83	0.27	0.20	
For internal pilot	v v5∠3-20P		1/8	C6	0.79	0.36	0.21	0.91	0.36	0.24	

Note) Value at manifold base mounted, 2 position single operating

How to Order Manifold

Instruct by specifying the valves, blanking plate assembly and connector assembly to be mounted on the manifold along with the manifold base model no. (Example) VV5Z3-20P-07....... 1 pc. (Manifold base)

*VZ3123-5MOZ-C4..........3 pcs. (Valve)

*VZ3223-5MOZ-C4..........3 pcs. (Valve)

*DXT192-13-3A...........1 pc. (Blanking plate assembly)

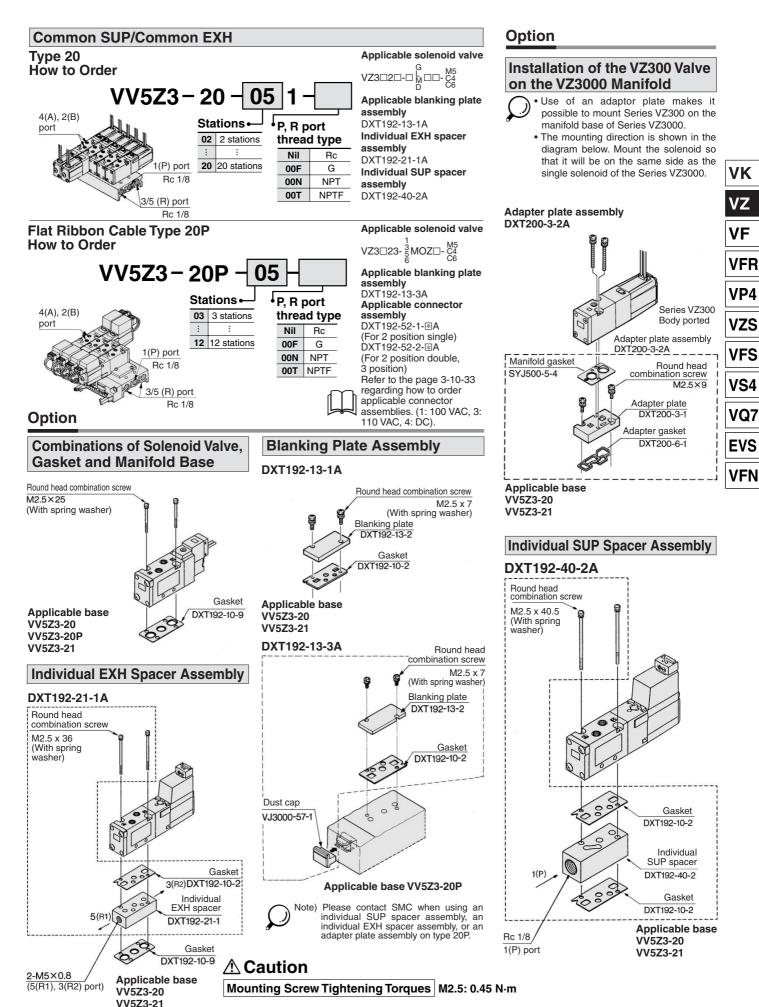
*DXT192-52-1-4A...... 3 pcs. (Connector assembly)

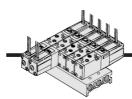
*DXT192-52-2-4A...... 3 pcs. (Connector assembly)

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



5 Port Solenoid Valve Body Ported Series VZ3000

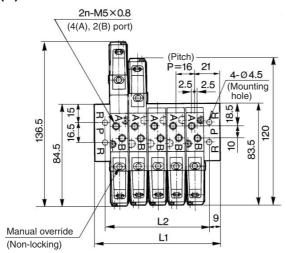


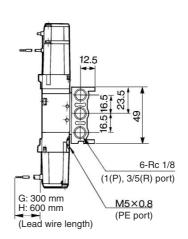


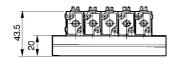
Type 20 Manifold

VV5Z3-20- Station 1

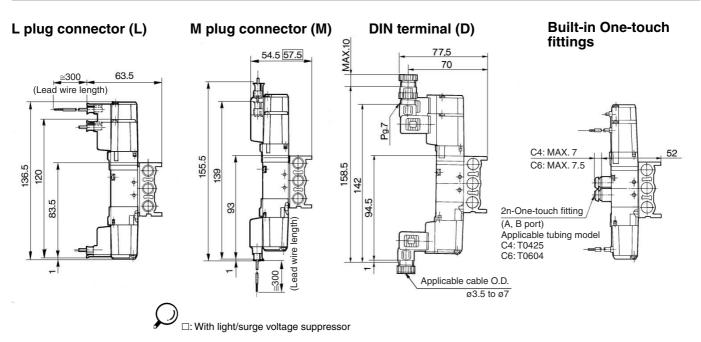
Grommet (G), (H)







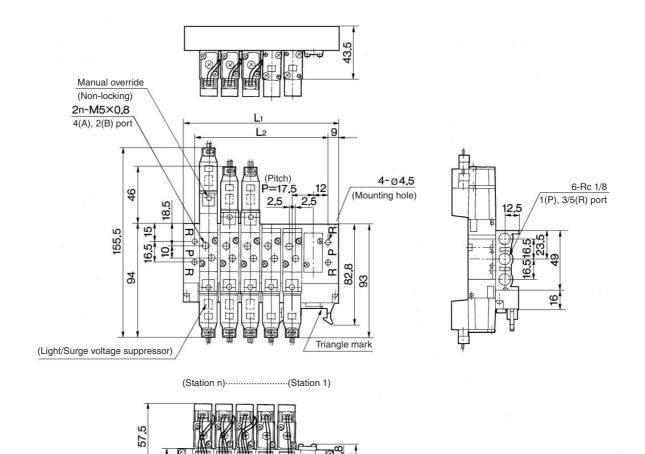
																			(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314	330	346
L ₂	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328



5 Port Solenoid Valve Body Ported Series VZ3000

Type 20P Flat Ribbon Cable Manifold

VV5Z3-20P-Station



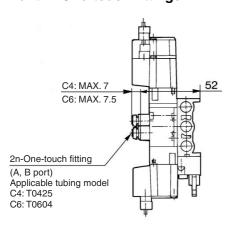
28.5

										(mm)
Stations	3	4	5	6	7	8	9	10	11	12
L ₁	77	94.5	112	129.5	147	164.5	182	199.5	217	234.5
L ₂	59	76.5	94	111.5	129	146.5	164	181.5	199	216.5

Built-in One-touch fittings

Connector polarity indicator

Applicable connector: 26 pins MIL (Conforming to MIL-C-83503)



VK

VZ

VF VFR

VP4

. .

VZS

VFS

VS4

VQ7

EVS

Series VZ3000/Base Mounted **Manifold Specifications**

Manifold Standard



Manifold Specifications

Мо	del	Type 40	Type 41	Type 42	Type 43				
Manifold type			Single bas	e/B mount					
P(SUP)/R(EXH)		Common SUP/Common EXH							
Valve stations			2 to 20	stations					
4(A), 2(B) port	Position	Base		Base					
Porting specifications	Direction	Bottom		Side					
	1(P), 3/5(R) port	Rc	1/8	Rc 1/4	Rc 1/8				
Port size	4(A), 2(B) port	M5 >	∢ 0.8	Rc 1/8 C6 (One-touch fitting for ø6) B7 (One-touch fitting for 1/4")	C4 (One-touch fitting for ø4) B3 (One-touch fitting for 5/32")				

Flow Characteristics

			size	Flow characteristics						
Manifold		1(P), 5/3(R)	2(B), 4(A)	1 → 4/2	(P → A	A/B)	$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{R)}$			
		port	port			Cv	C [dm³/(s·bar)]	b	Cv	
VV5Z3-40		1/8	M5 x 0.8	0.55	0.35	0.15	0.64	0.26	0.16	
VV5Z3-41		1/8	M5 x 0.8	0.59	0.35	0.16	0.68	0.23	0.17	
VV5Z3-42-01	VZ3□4□	1/4	1/8	0.74	0.22	0.18	0.82	0.31	0.21	
VV5Z3-42-C6		1/4	C6	0.71	0.24	0.17	0.80	0.29	0.20	
VV5Z3-43		1/8	C4	0.55	0.29	0.14	0.74	0.32	0.19	
						_				

Note) Value at manifold base mounted, 2 position single operating

How to Order Manifold

Instruct by specifying the valves and blanking plate assembly to be mounted on the manifold along with the manifold base model no.

(Example) VV5Z3-40-031-M5-----1 pc. (Manifold base)

*VZ3140-5G-M5-----2 pcs. (Valve)
*DXT192-13-1A------1 pc. (Blanking plate assembly)

VV5Z3-43-031-C4······1 pc. (Manifold base)

*VZ3140-5LZ.....1 pc. (Valve) *VZ3240-5LZ.....1 pc. (Valve)

*DXT192-13-1A·······1 pc. (Blanking plate assembly)

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

Flat Ribbon Cable Manifold

One-touch wiring to consolidate connection of external wires.

Clean appearance

The flat cable provides wiring on a printed circuit board to the individual valves at the manifold base, enabling the consolidation of external wiring at a touch through a 26 pins MIL connector.



Flat Ribbon Cable Manifold Specifications

		та оросиновноги					
Mo	odel	Type 41P	Type 43P				
Manifold type		Single bas	se/B mount				
P(SUP), R(EXH)		Common SUP/Common EXH					
Valve stations		3 to 12 :	stations				
4(A), 2(B) port	Position	Ba	se				
location	Direction	Si	de				
Port size	1(P), 3/5(R) port	Rc 1/8	Rc 1/8				
FULL SIZE	4(A), 2(B) port	M5 x 0.8	C4 (One-touch fitting for ø4)				
Applicable flat ribb	on cable connector	Socket: 26 pins MI (Conforming to					
Internal wiring		+COM specifications (For -COM spe	ecifications, specify them separately.)				
Applicable valve m	odel	VZ3□43- ¹ ₅ MOZ□-	VZ3□53- ¹ ₅ MOZ□				
Rated voltage		100 VAC 50/60 Hz, 110 VAC	50/60 Hz, 24 VDC, 12 VDC				

Note) Withstand voltage specifications of wiring unit part is equivalent to JIS C 0704 class 1.

Flow Characteristics

Ciidialacte										
	Port	Port size		Flow characteristics						
Manifo	1(P), 5/3(R)	2(B), 4(A)	1 → 4/2	(P → 1	A/B)	$4/2 \to 5/3$	3 (A/B -	$(A/B \rightarrow R)$		
	port	port	C [dm³/(s·bar)]	b	Cv	C [dm3/(s-bar)]	b	Cv		
VV5Z3-41P	VV5Z3-41P SYJ5□43			0.59	0.35	0.16	0.68	0.23	0.17	
VV5Z3-43P	3103043	1/8	C4	0.59	0.29	0.14	0.74	0.32	0.19	

Note) Value at manifold base mounted, 2 position single operating

How to Order Manifold

Instruct by specifying the valves, blanking plate assembly and connector assembly to be mounted with the manifold along with the manifold base model no.
(Example) VV5Z3-43P-07-C4-----1 pc. (Manifold base)

*VZ3143-5MOZ-------3 pcs. (Valve)

*VZ3243-5MOZ-------3 pcs. (Valve)

*DXT192-13-3A-------1 pc. (Blanking plate assembly)

*DXT192-52-1-4A·····3 pcs. (Connector assembly) *DXT192-52-2-4A····· 3 pcs. (Connector assembly)

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



3-3-37

۷K

VFR

VP4

VZS

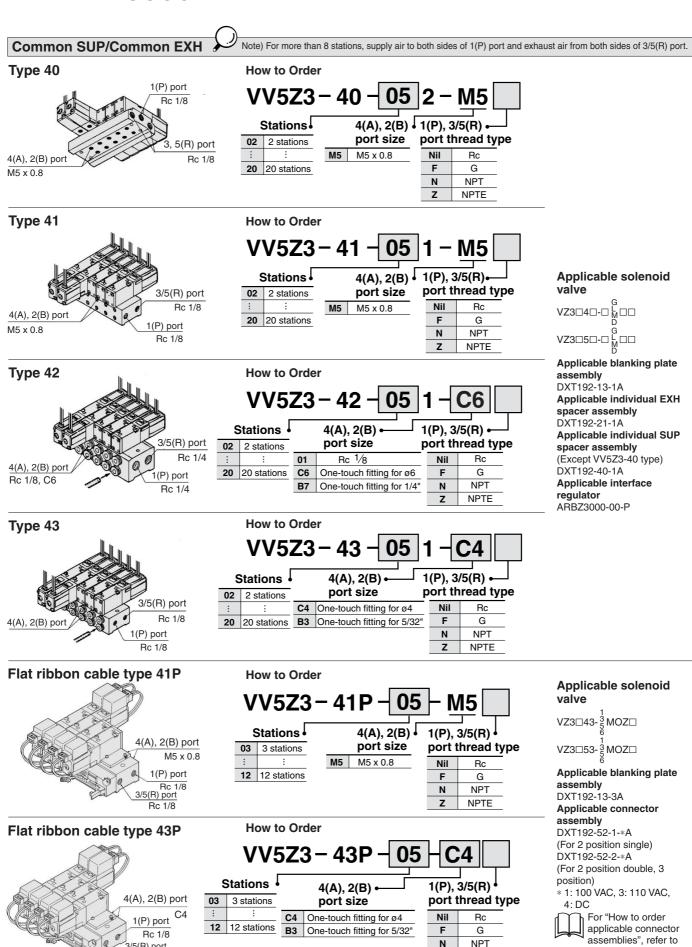
VFS

VS4

VQ7

EVS

 ${\sf VFN}$



3/5(R) port

Rc 1/8

N

z

NPT

NPTE

page 3-3-7.

DIN Rail Manifold





Manifold Specifications

Charling home along in home
Stacking type plug-in type
Common EXH
ations
e
Э
fitting for ø8)
fitting for ø4)
fitting for ø6)
MIL-C-24308 Applicable for D-sub connector
COM Note)
f

Note) It is available at +COM or -COM.

Flow Characteristics

			size	Flow characteristics						
		1(P), 5/3(R)	2(B), 4(A)	$1 \rightarrow 4/2 \ (P \rightarrow A/B)$			$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{R)}$			
			pòrt ` (C [dm3/(s-bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	
VVEZ0 4E	V0/570 45 V70545		C4	0.59	0.28	0.15	0.83	0.34	0.22	
VV5Z3-45 VZ3□4□		C8	C6	0.76	0.23	0.18	0.86	0.29	0.22	
○ N=+=\\\/=!::= =4										

Note) Value at manifold base mounted, 2 position single operating

How to Order Manifold

Instruct by specifying the valves and blanking plate assembly to be mounted on the manifold along with the manifold base model no.

(Example) VV5Z3-45FD-06-C6C·· 1 pc. (Manifold base)

*VZ3143-5FZ-----2 pcs. (Valve) *VZ3243-5FZ-----3 pcs. (Valve)

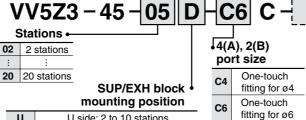
*VZ3000-69-1A1 pc. (Blanking plate assembly)

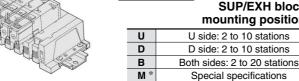
The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

DIN Rail Manifold

Common SUP/Common EXH

Type 45 (Non plug-in type) How to Order





^{*} For special specifications, indicate separately by the manifold specification sheet.

M* Mixed * In the case of mixed specifications (M). indicate separately on the manifold specification sheet.

port size

C4

C6

M

One-touch

One-touch

Mixed

fitting for ø4

fitting for ø6

Applicable solenoid valve

VK

VF

VFR

VP4

VZS

VFS

VS4

VQ7

EVS

VFN



Applicable blanking plate assembly VZ3000-69-2A

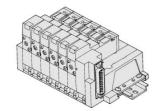
DIN rail length specified

Nil	Standar	d length
3	For 3 stations	(Specify a longer
:	:	rail than the
20	For 20 stations	standard length.)

Type 45F (Plug-in type)



VV5Z3 -45F Connector 4(A), 2(B) mounting direction



U U side: 2 to 10 stations D D side: 2 to 10 stations B Both sides: 11 to 20 stations

Stations • 02 2 stations

20 stations

SUP/EXH block mounting position

Nil	For 2 to 10 stations: One side (Same as direction of connector mount) For 11 to 20 stations: Both sides
	For 11 to 20 stations: Both sides
В	For 2 to 10 stations: Both sides
M *	Special specifications

For special specifications, indicate separately by the manifold specification sheet.

VZ3□43-□FZ□

valve

Applicable blanking plate assembly VZ3000-69-1A

Applicable solenoid

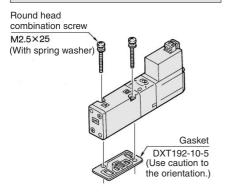
DIN rail length specified

* In the case of	• DIN	rail length sp	pecified
mixed	Nil	Standar	d length
specifications (M), indicate separately	3	For 3 stations	(Specify a longer
on the manifold	:	:	rail than the
specification sheet.	20	For 20 stations	standard length.)



Option/Standard Manifold, Flat Ribbon Cable Manifold

Combinations of Solenoid Valve, Manifold Gasket and **Manifold Base**



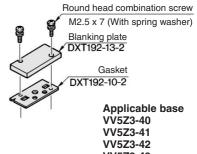
Installation of the VZ300 Valve on the VZ3000 Manifold

- Use of an adaptor plate makes it possible to mount Series VZ300 on the manifold base of Series VZ3000.
- · The mounting direction is shown in the diagram below. Mount the solenoid so that it will be on the same side as the single solenoid of the Series VZ3000.
- 2(A) port of 3 port valve should be 2(B) port of manifold base.

Blanking Plate Assembly

DXT192-13-1A

DXT192-13-3A



VV5Z3-43

Round head combination screw

M25x7

Gasket DXT192-10-2

(With spring washer)

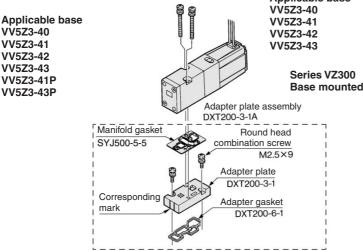
Blanking plate

DXT192-13-2

Applicable base

Applicable base Dust cap VJ3000-57-1

Adapter Plate Assembly DXT200-3-1A



Individual EXH Spacer Assembly

DXT192-21-1A

Applicable base VV5Z3-40 Spring washer VV5Z3-41 for M2.5 VV5Z3-42 Round head VV5Z3-43 combination screw DXT170-33-3 (M2.5×36) Gasket DXT192-10-2 3(R2) Individual EXH spacer 5(R1) DXT192-21-1 2-M5×0.8

Individual SUP Spacer Assembly

DXT192-40-1A Spring washer for M2.5 Round head combination screw M2.5×40.5 Gasket DXT192-10-5 Individual SUP spacer DXT-192-40-1 Rc 1/8 Applicable base (1(P) port) VV5Z3-41 VV5Z3-42 VV5Z3-43

VV5Z3-41P VV5Z3-43P Interface regulator (P port regulation)

Interface regulator can be placed on top of the manifold base to reduce the pressure of each of the valves.

ARBZ3000-00-P Round head combination screw M2.5×45 (With spring washer) Applicable Gasket base DXT192-10-5 VV5Z3-40 VV5Z3-41 VV5Z3-42 VV5Z3-43

Before using, refer to page 3-3-8.

⚠ Caution

Mounting Screw Tightening Torques M2.5: 0.45 N⋅m

(5(R1), 3(R2) port)

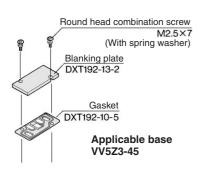
Please contact SMC when using an individual EXH spacer assembly, an individual SUP spacer assembly, an adapter plate assembly, or an interface regulator on 41P and 43P types.



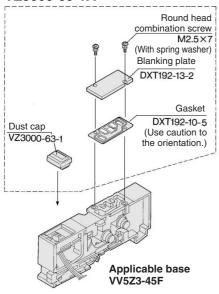
Option/DIN Rail Manifold

Blanking Plate Assembly

VZ3000-69-2A



VZ3000-69-1A



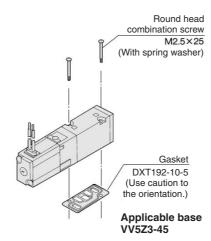
⚠ Caution

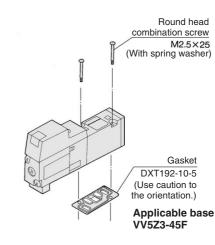
Mounting Screw Tightening Torques

M2.5: 0.32 N·m

(For stacking type manifold)

Combination of Solenoid Valve, Gasket and Manifold Base





SUP Block Disk

By installing a SUP block disk in the pressure supply passage of a manifold valve, it is possible to supply two or more different high and low pressures to one manifold.

VZ3000-79-1A



EXH Block Disk

By installing an EXH block disk in the exhaust passage of a manifold valve, it is possible to divide the valve's exhaust so that it does not affect another valve.

VZ3000-79-1A



Applicable Plug Assembly (D-sub connector cable assembly)

Cable length	Assembly part no.	Component parts
1.5 m	VVZS3000-21A-1	Diver MIL standard
3 m	VVZS3000-21A-2	Plug MIL standard Number of terminals: 25
5 m	VVZS3000-21A-3	Cable: 25 cores x 0.3 mm ²
8 m	VVZS3000-21A-4	Odbic. 20 00163 x 0.0 111111



For details, refer to page 3-3-8.

VK

VZ

VF

VFR VP4

V79

VZS

VFS

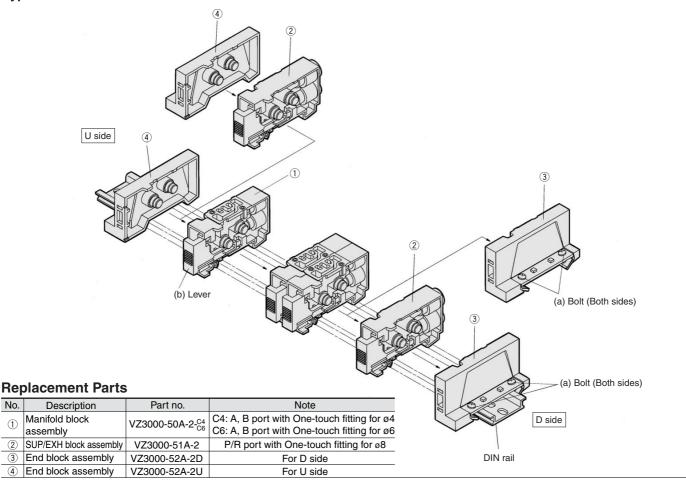
VS4

VQ7

EVS

Exploded View/DIN Rail Manifold

Type 45 Manifold



How to Increase Manifold Base

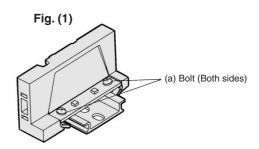
(1) Loosen (both) bolts (a), which are securing the manifold onto the DIN rail, 1 to 2 turns.

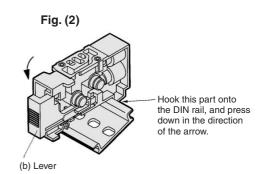
(To remove the manifold base from the DIN rail, loosen the bolts 4 to 5 turns.)

- (2) Press lever (b) to disconnect the manifold block assembly at the location in which you wish to place an additional manifold block assembly. (However, there are no levers between ① and ④ or between ② and ④. They can be disconnected by merely pulling them apart.)
- (3) Mount additional manifold block assembly on the DIN rail as shown in the Fig. (2).
- (4) Press the block assemblies and tighten the bolts (a) to fix them to the DIN rail.

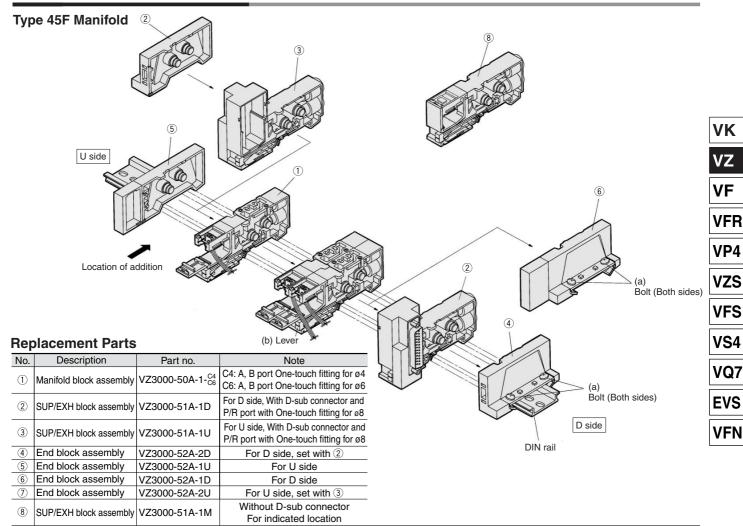
Note) When there are 10 or fewer manifold block assemblies, and more are added to make a total of 11 or more, a supply/exhaust block assembly must also be added.

Station expansion is possible at any position.





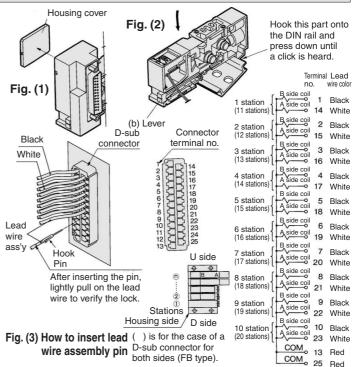
Exploded View/DIN Rail Manifold



How to Increase Manifold Base

To add a manifold block assembly, add it to the U side so that the terminal number of the D-sub connector and the valve link position will be in accordance with the circuit diagram.

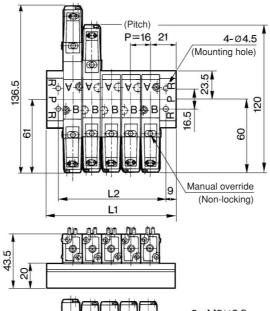
- (1) Loosen (both) bolts (a), which are securing the manifold onto the DIN rail, 1 to 2 turns.
 - (To remove the manifold base from the DIN rail, loosen the bolts 4 to 5 turns.)
- (2) Using a flat screwdriver, press lever (b) to disengage the link of the manifold block assembly on the U side or the D side from the SUP/EXH block assembly or from the end block assembly. (However, there are no levers between ⑤ and ①. They can be disconnected by merely pulling them apart.)
- (3) Remove the housing cover from the D-sub connector portion of he SUP/EXH block assembly. (Refer to Fig. (1).)
- (4) Following the procedure shown in Fig. (2), mount the manifold block assembly to be added onto the DIN rail. As shown in Fig. (3), insert the pin of the lead wire assembly into the D-sub connector, and attach the round crimped terminal to the screw that connects the wires.
- (5) Press the block assemblies and tighten the bolts (a) to fix them to the DIN rail.
- Note) When there are 10 or fewer manifold block assemblies, and more are added to make a total of 11 or more, a supply/exhaust block assembly must also be added.

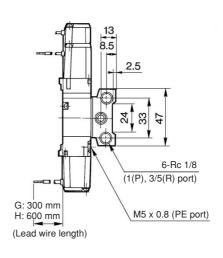


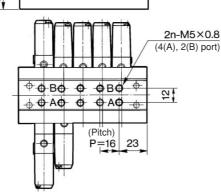
Type 40 Manifold: Bottom Ported

VV5Z3-40- Station 2-M5

Grommet (G), (H)







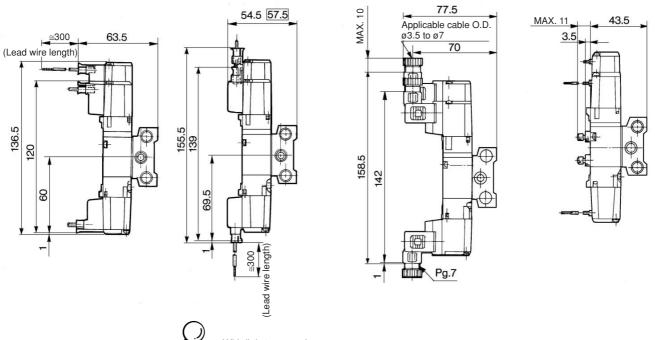
					4	_													(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L₁	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314	330	316
L ₂	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328

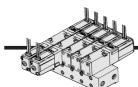
L plug connector (L)

M plug connector (M)

DIN terminal (D)

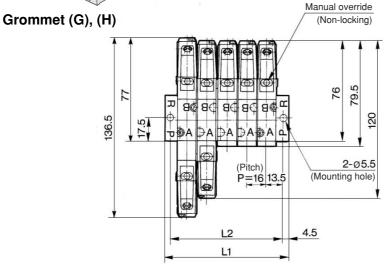
Built-in speed controllers

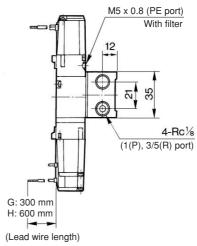


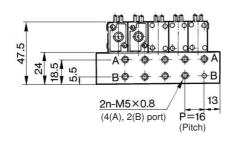


Type 41 Manifold: Side Ported

VV5Z3-41- Station 1-M5







VF **VFR** VP4 **VZS**

> **VFS** VS4

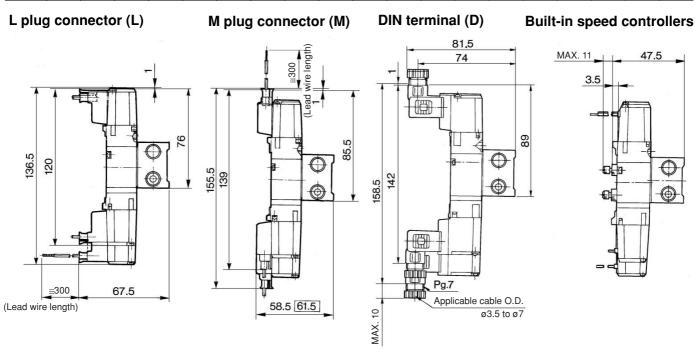
۷K

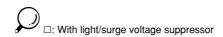
VZ

VQ7

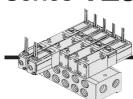
EVS

																			(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340
L ₂	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315	331



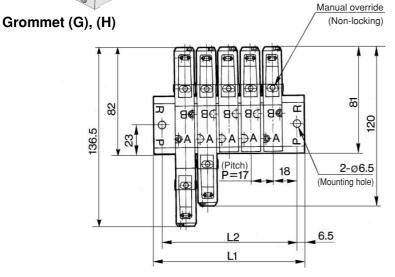


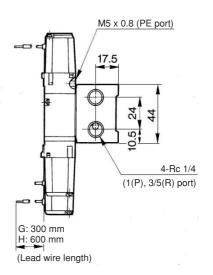


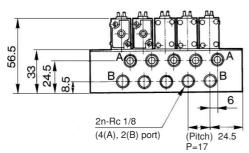


Type 42 Manifold: Side Ported

VV5Z3-42- Station 1-01

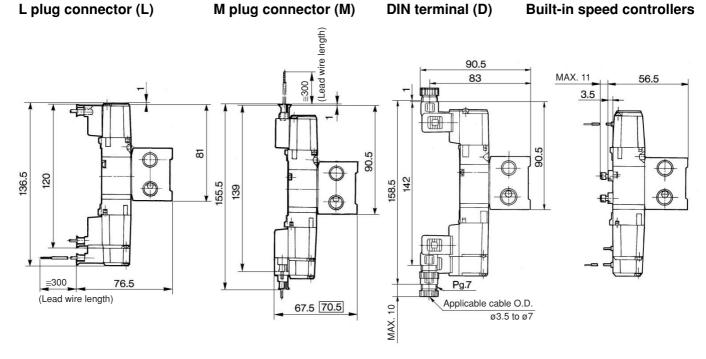




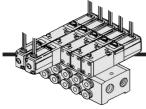


																			(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	66	83	100	117	134	151	168	185	202	219	236	253	270	287	304	321	338	355	372
	ΕO	70	07	104	101	120	155	170	100	206	222	240	257	274	201	200	205	242	250

53 70 87 104 121 138 155 172 189 206 223 240 257 274 291 308 325 342 359



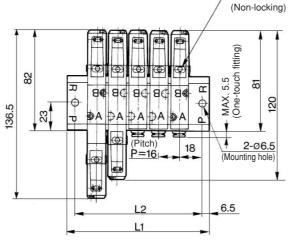


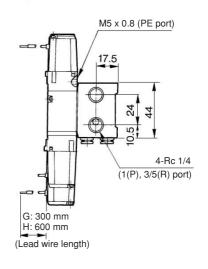


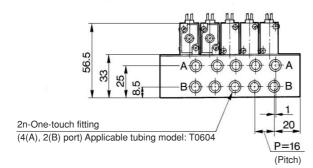
Type 42 Manifold: Side Ported

VV5Z3-42- Station 1-C6

Grommet (G), (H)







VFN

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VZ

VF

VFR

VP4

VZS

VFS

VS4

VQ7

EVS

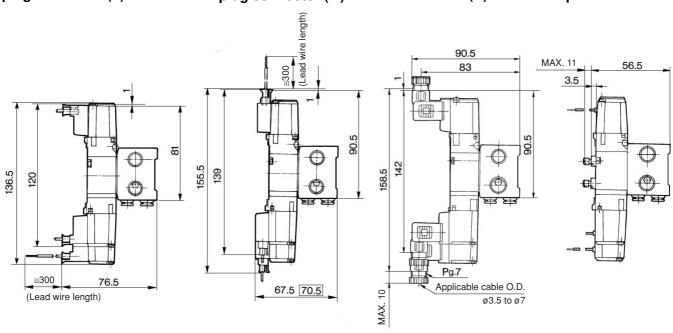
								(1	itori)										(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L₁	65	81	97	113	129	145	161	177	193	209	225	241	257	273	289	305	321	337	353
L ₂	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340

Manual override

L plug connector (L)

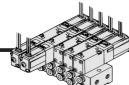
M plug connector (M)

DIN terminal (D) Built-in speed controllers

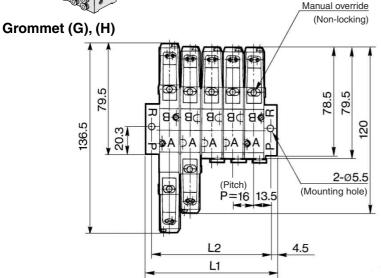




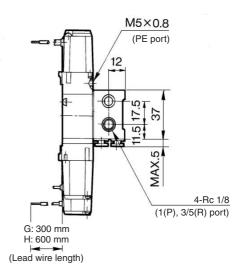


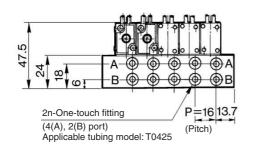


Type 43 Manifold: Side Ported



VV5Z3-43- Station 1-C4





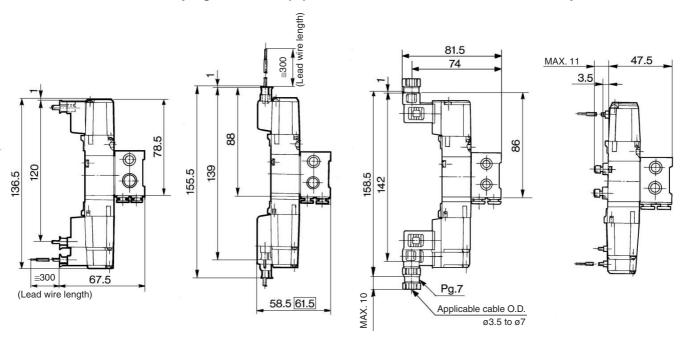
																			(mm)
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340
L ₂	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315	331

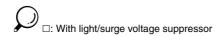
L plug connector (L)

M plug connector (M)

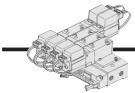
DIN terminal (D)

Built-in speed controllers



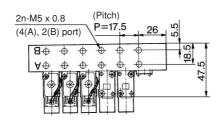


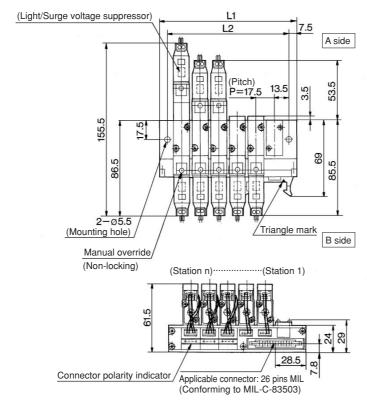


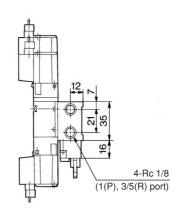


Type 41P Flat Ribbon Cable Manifold: Side Ported

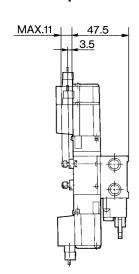
VV5Z3-41P-Station -M5







Built-in speed controllers



										(mm)
Stations	3	4	5	6	7	8	9	10	11	12
L ₁	77	94.5	112	129.5	147	164.5	182	199.5	217	234.5
L ₂	62	79.5	97	114.5	132	149.5	167	184.5	202	219.5

VK

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VFR

VP4

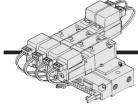
VZS

VFS

VS4

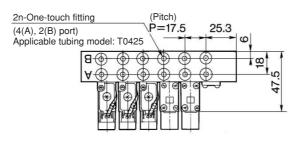
VQ7

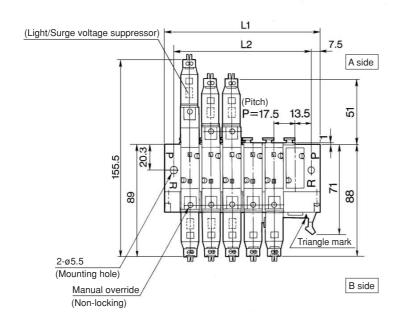
EVS

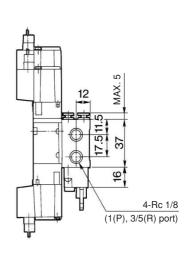


Type 43P Flat Ribbon Cable Manifold: Side Ported

VV5Z3-43P-Station -C4

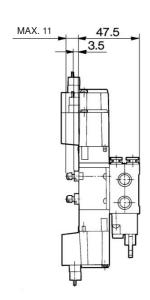


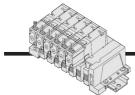




Built-in speed controllers

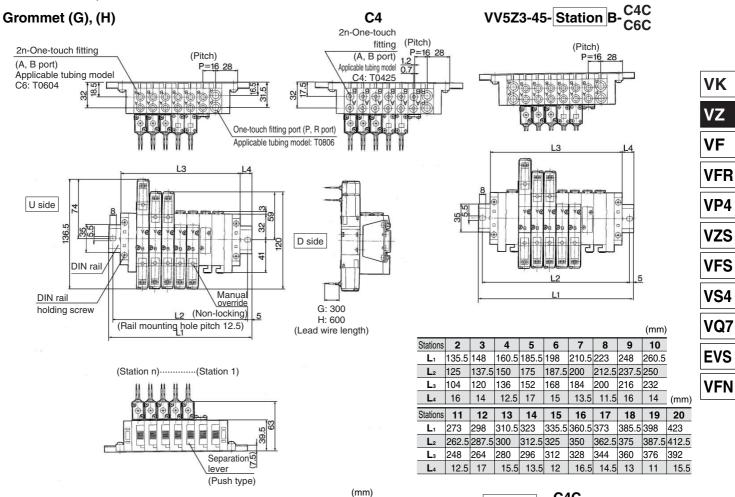
										(mm)
Stations	3	4	5	6	7	8	9	10	11	12
L₁	77	94.5	112	129.5	147	164.5	182	199.5	217	234.5
L ₂	62	79.5	97	114.5	132	149.5	167	184.5	202	219.5





Type 45 DIN Rail Manifold (Non Plug-in): Side Ported

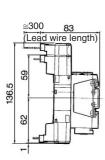


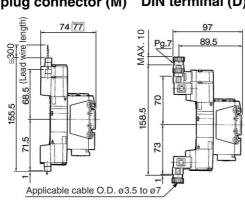


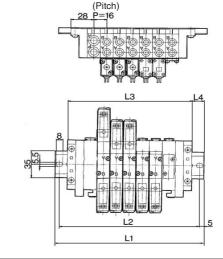
VV5Z3-45-Station U-C4C

Stations 8 10 3 5 6 9 110.5 135.5 148 160.5 185.5 198 210.5 223 248 200 L2 100 125 137.5 150 175 187.5 212.5 237.5 104 120 136 152 184 200 216 17 13.5 11.5 16 12.5 15 11.5 16

L plug connector (L) M plug connector (M) DIN terminal (D)



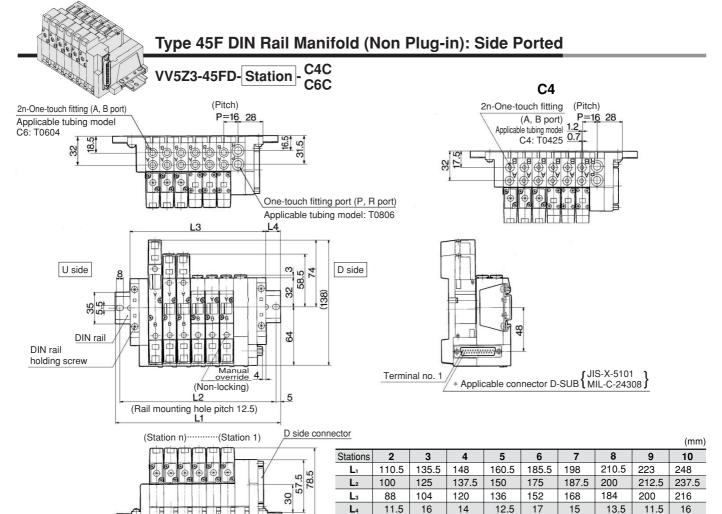




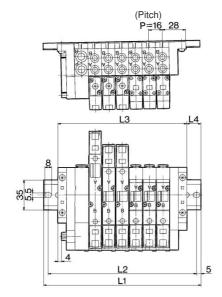
☐: With light/surge voltage suppressor
: with light/surge voltage suppressor

Stations	2	3	4	5	6	7	8	9	10
L ₁	110.5	135.5	148	160.5	185.5	198	210.5	223	248
L2	100	125	137.5	150	175	187.5	200	212.5	237.5
L₃	88	104	120	136	152	168	184	200	216
L ₄	11.5	16	14	12.5	17	15	13.5	11.5	16

(mm)



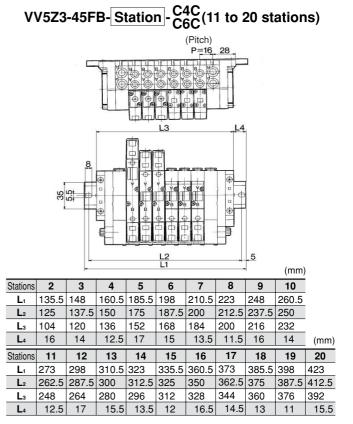
VV5Z3-45FU-Station - C4C C6C



Separation lever (Push type)

									(mm)
Stations	2	3	4	5	6	7	8	9	10
L ₁	110.5	135.5	148	160.5	185.5	198	210.5	223	248
L ₂	100	125	137.5	150	175	187.5	200	212.5	237.5
L ₃	88	104	120	136	152	168	184	200	216
L ₄	11.5	16	14	12.5	17	15	13.5	11.5	16

VV5Z3-45F_D-Station B-C4C (2 to 10 stations)



Made to Order Specifications:

Please contact SMC for detailed specifications, dimensions, and delivery.

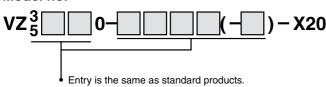


1. Solenoid Valve: External Pilot Specifications

Applicable solenoid valve series

VZ3000/5000 (Non plug-in type only)

Model no.



Specifications

Operating pressure	Main pressure	-100 kPa to 0.7					
range (MPa)	External pilot pressure	0.15 to 0.7					
Pilot exhaust metho	d	Pilot valve individual exhaust					

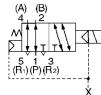
Dimensions

VZ3000: 8 mm longer VZ5000: 8 mm longer

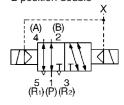
JIS Symbol

Body ported

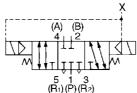
2 position single

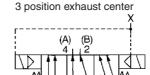






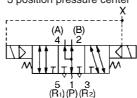
3 position closed center





3 position pressure center

5 1 3 (R₁)(P)(R₂)



VK

٧Z

VF

VFR VP4

VZS

VFS

VS4

VQ7

EVS



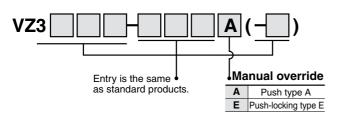
Please contact SMC for detailed specifications, dimensions, and delivery.

2. Solenoid Valve: Special Manual Override

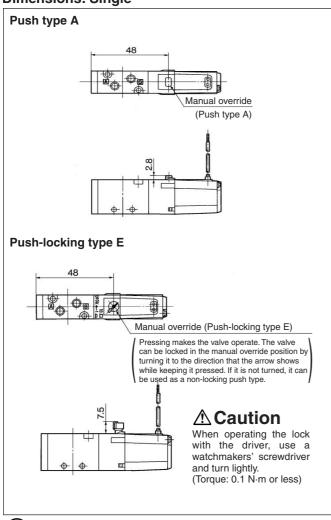
Applicable solenoid valve series

VZ3000 (Non plug-in type only)

Model no.



Dimensions: Single



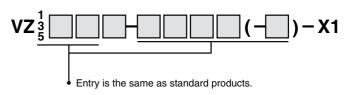
Note) Because the manual override unit protrudes, the manual override could activate unintentionally if the protrusion is touched or an object falls on it. Therefore, take the proper preventative measures.

3. Solenoid Valve: Opposite Mount of Solenoid Assembly

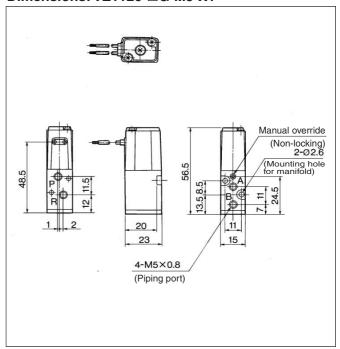
Applicable solenoid valve series

VZ1000/3000/5000 (Non plug-in type only)

Model no.



Dimensions: VZ1120-□G-M5-X1



Made to Order

Made to Order Specifications:

Please contact SMC for detailed specifications, dimensions, and delivery.

4. Manifold: Common SUP/Individual EXH Type

Applicable solenoid valve series

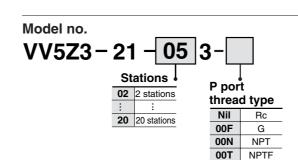
VZ3000

Common SUP/Individual EXH type

VV5Z3-21-□3

Specification

Common SUP/Individual EXH type									
1(P) port	Rc 1/8								
3/5(R) port	M5 x 0.8								
4(A), 2(B) port	Valve								



Applicable solenoid valve

 $VZ3 \square 2 \square - \square \overset{G}{\underset{M}{\bigsqcup}} \square \square - \overset{M5}{\underset{C6}{\bowtie}}$

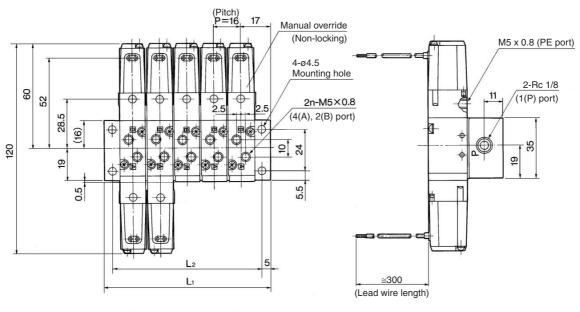
Applicable blanking plate assembly DXT192-13-1A

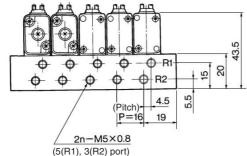
Applicable throttle valve DXT154-34-1A Applicable silencer AN120-M5 Note) Refer to page 3-3-25

for manifold option.

Dimensions: Grommet Type

Note) To use the VZ3 = 23 with a throttle valve mounted on it, open the throttle valve one turn or more from the fully closed position.





(mm)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L₁	50	66	82	98	114	130	146	162	178	194	210	226	242	258	274	290	306	322	338
L ₂	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328



VK

VZ VF

VFR

VP4

VZS

VE0

VFS

VS4

VQ7

EVS