Series VZ1000 Manifold Specifications

Manifold Standard -



Manifold Specifications

Model		Туре 20		
Manifold type		Single base/B mount	'	
P(SUP)/R(EXH)		Common SUP/Common EXH		
Valve stations		2 to 20 stations		
A, B port location		Valve		
Port size	1(P), 3(R) port	Rc 1/8		
	4(A), 2(B) port	M5 x 0.8	L	
Valve Note) effective area (mm ²)	alve Note) fective areaVZ1120 $1 \rightarrow 4: 0.48, 4 \rightarrow 3: 0.85$ nm^2) $1 \rightarrow 4: 0.48, 4 \rightarrow 3: 0.85$			
Note) Value at manifold base mounted, single operating				
S				
11 to Ouri	Manifala			

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) VV4Z1-20-0311 pc. (Manifold base)
*VZ1120-5G-M52 pcs. (Valve)
*DXT170-25-1A······1 pc. (Blanking plate assembly)
→The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

VZ VF VFR VP4 VZS VFS VS4 VQ7 EVS VFN

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 21P					
Manifold type		Single base/B mount					
P(SUP), R(EXH)		Common SUP/Common EXH					
Valve stations		3 to 12 stations					
A, B port location		Valve					
Port size	1(P), 3(R) port	Rc 1/8					
	4(A), 2(B) port	M5 x 0.8					
Valve ⁽¹⁾ effective area (mm ²) (Cv factor)	VZ1120	$1 \rightarrow 4: 0.48, 4 \rightarrow 3: 0.85$					
Applicable flat ribbon cable connector		Socket: 26 pins MIL, with strain relief (Conforming to MIL-C-83503)					
Internal wiring		+ COM (For - COM specifications, specify them separately.)					
Applicable valve model		VZ1120- ¹ / ₈ MOZ-M5					
Rated voltage		100 VAC 50/60 Hz, 110 VAC 50/60 Hz, 24 VDC, 12 VDC					
Note 1) Value Note 2) Withs	at manifold base m stand voltage specifie	ounted, single operating cation of wiring unit part is equivalent to JIS C 0704 class 1.					

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) VV4Z1-21P-071 pc. (Manifold base)
*VZ1120-5MOZ-M5…6 pcs. (Valve)
*DXT170-25-3A·······1 pc. (Blanking plate assembly)
*DXT170-127-4A······6 pcs. (Connector assembly)
The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

Series VZ1000



Mixed Mounting of the VZ110, 3 Port Valve on the Series VZ1000 Manifold Base

- A VZ110, 3 port valve can be mounted as is on the Series VZ1000 manifold base.
- The mounting direction is the same as the VZ1120.

Applicable base VV4Z1-20 VV4Z1-21P



Blanking Plate Assembly





4 Port Solenoid Valve Body Ported Series VZ1000



L plug connector (L)

L4



M plug connector (M)



DIN terminal (D)





: With light/surge voltage suppressor





(Con	forming	to MIL-C	C-83503))						(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	69	86.5	104	121.5	139	156.5	174	191.5	209	226.5

Series VZ Made to Order Specifications:





(For stacking type manifold)

Series VZ1000

Exploded View/DIN Rail Manifold





Series VZ1000

Exploded View/DIN Rail Manifold



and more are added to make a total of 11 or more, a supply/exhaust block assembly must also be added.

Fig. (4) How to insert lead wire assembly pin.

Series VZ Made to Order Specifications:

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





Series VZ Made to Order Specifications: Please contact SMC for detailed specifications, dimensions, and delivery.

6. DIN Rail Manifold

