#### Flat Ribbon Cable Manifold

#### Multiple valve wiring is simplified through the use of the flat cable connector.

#### • Clean appearance

In the case of a flat ribbon cable type, each valve is wired on the print board of manifold base to allow the external wiring to be piped all together with 26 pins MIL connector.



## **Flat Ribbon Cable Manifold Specifications**

Model		Type 21P	Type 32P		
Manifold type		Single base/B mount			
P (SUP), R (EXH)		Common SUP, Common EXH			
Valve stations		4 to 12 stations			
A, B port	Location	Valve	Base		
Porting specifications	Direction	Тор	Side		
Port size	P, R port	1/8			
I OIT SIZE	A, B port	M3 x 0.5	M5 x 0.8, C4 (One-touch fitting for Ø4)		
Applicable flat ribbo connector	on cable	Socket: 26 pins MIL type with strain relief (MIL-C-83503)			
Internal wiring		In common between +COM and -COM (Z type: +COM only)			
Rated voltage		24, 12 VDC/100, 110 VAC			

Note) The withstand voltage specification for the wiring unit section conforms to JIS C 0704, Grade 1 or its equivalent.

## **Flow Characteristics**

			Port size		Flow characteristics $1 \rightarrow 4/2 \ (P \rightarrow A/B) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$					Effective	
Manifold		1(P), 5/3(R) Port	2(B), 4(A) Port	C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	area (mm²)	
Body ported for internal pilot	Type SS5YJ3-21P			M3 x 0.5	_	-	_	_	-	-	0.9
Base mounted	Type SS5YJ3-32P-M5	SYJ3□33	1/8	M5 x 0.8	0.25	0.19	0.060	0.32	0.25	0.077	_
for internal pilot	Type SS5YJ3-32P-C4		1/0	C4	0.25	0.18	0.059	0.3	0.27	0.075	-



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

### **How to Order Manifold**

- SS5YJ3-32P-07-C4 ····· 1 pc. (Manifold base)

  \* SYJ3000-21-4A ····· 1 pc. (Blanking plate assembly)

  \* SYJ3133-5LOU ········ 3 pcs. (Valve)

  \* SY3000-37-28A ····· 3 pcs. (Connector assembly)

  \* SY3000-37-29A ····· 3 pcs. (Connector assembly)

  The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.
- \* Use manifold specification sheet.

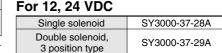
### **How to Order Valve**

D

Push-turn locking slotted type

Push-turn locking lever type

# How to Order Connector Assembly



# For 100 VAC

Single solenoid	SY3000-37-46A
Double solenoid, 3 position type	SY3000-37-47A

#### For 110 VAC (115 VAC)

FOR THU VAC (TTS VAC)						
Single solenoid	SY3000-37-54A					
Double solenoid, 3 position type	SY3000-37-55A					

		O Oldoi V	A1 V C						
Rated voltage						With light/surge voltage suppressor			
F	or	DC S	SY	′J3 <mark>1</mark> <sup>2</sup> 3—	<b>5</b> L	OŪ			
F		AC		/J3 1 2 3 —	1 L	_0 Z			
1	2 pc	osition single				A, B pc	ort size 🔸		
2	2 pc	osition double				Symbol	Port size		
3	3 pc	osition closed cen	ter			Nil	Base mounted		
4	3 pc	osition exhaust ce	nter			М3	M3 x 0.5		
5	3 pc	osition pressure c	enter	Rated voltage		<u>)</u>			
			1	100 VAC	<b>&gt;</b>	9			
	3 110 VA			110 VAC (AC115V)	Not		ase of flat cable		
Manual override					type, "U" type is for DC specifications and "Z" type				
N	Nil Non-locking push type				is for AC specifications. For the opposite specification,				
Г	Push-turn looking slotted type				iiie opp	voite specification,			

please contact SMC.