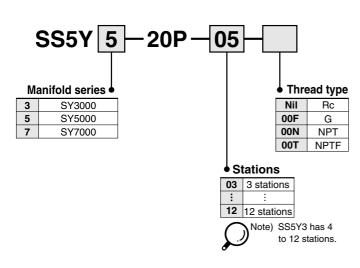
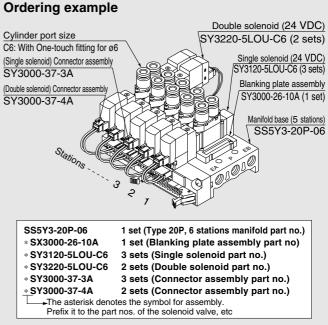


How to Order Manifold

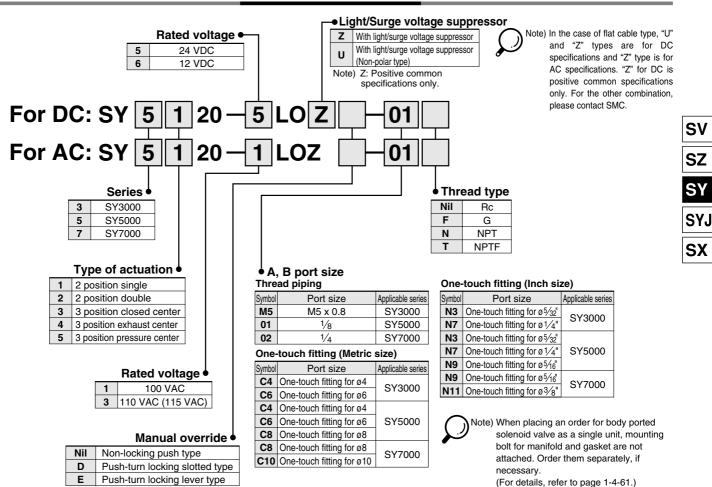


How to Order Valve Manifold Assembly



Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet.

Body Ported Series SY3000/5000/7000/9000



How to Order Valves



• 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.



Manifold Specifications

Model		SS5Y3-20P	SS5Y5-20P	SS5Y7-20P			
Applicable valve		SY3□20	SY5□20	SY7□20			
Manifold typ	be		Single base/B mount				
P (SUP)/R (EXH)	Common SUP, Common EXH					
Valve statio	ns	4 to 12 stations ⁽¹⁾	3 to 12 stations Note 1)				
A, B port loo	cation	Valve					
Port size	P, EA, EB port	1⁄8	1/4	1/4			
	A, B port	M5 x 0.8, C4 (One-touch fitting for ø4) C6 (One-touch fitting for ø6)		1/4 C8 (One-touch fitting for ø8) C10 (One-touch fitting for ø10)			
Manifold base weight W (g) n: Stations		W = 19n + 45	W = 43n + 77	W = 51n + 81			
Applicable flat ribbon cable connector		Flat ribbon cable connector, Socket: 26 pins MIL type with strain relief, Conforming to MIL-C-83503					
Internal wiring		In common between +COM and –COM (Z type: +COM only).					
Rated voltage		12, 24 VDC 100, 110 VAC					

Note 1) For more than 10 stations (more than 5 stations in the case of SS5Y7), supply pressure to l port on both sides and exhaust from EA/EB port on both sides.

Note 2) The withstand voltage specification for the wiring unit section is JIS C 0704, Grade 1 or its equivalent.

Note 3) Refer to "Manifold Option" on page 1-4-61.

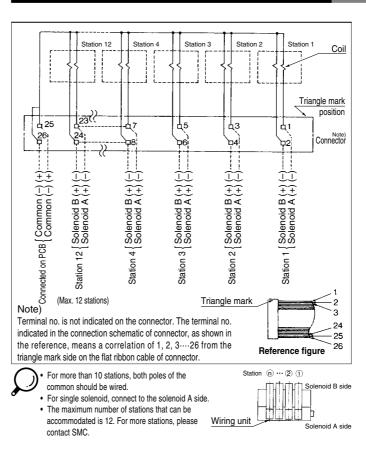
Flow Characteristics

	Port size		Flow characteristics						
Model	1, 5, 3	4, 2	1 →	$4/2 (P \rightarrow A)$	VB)	$4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB)$			
	(P, EA, EB)	(A, B)	C [dm3/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	
SS5Y3-20P	1⁄8	C6	0.72	0.29	0.18	0.80	0.36	0.21	
SS5Y5-20P	1⁄4	C8	1.9	0.28	0.48	2.2	0.20	0.53	
SS5Y7-20P	1⁄4	C10	3.6	0.31	0.93	3.6	0.27	0.88	



Note) The value is for manifold base with 5 stations and individually operated 2 position type.

Internal Wiring of Manifold (Non-polar Type)



SMC

How to Order Connector Assembly

For 12, 24 VDC

For DC	For SY3000	For SY5000/7000		
For single solenoid	SY3000-37-3A	SY5000-37-3A		
Double solenoid, 3 position type	SY3000-37-4A	SY5000-37-4A		
Single with spacer assembly	SY5000-37-3A	SY5000-37-5A		
Double, 3 position with spacer assembly	SY3000-37-6A	SY5000-37-6A		

For 100 VAC

For DC	For SY3000	For SY5000/7000		
For single solenoid	SY3000-37-32A	SY5000-37-15A		
Double solenoid, 3 position type	SY3000-37-33A	SY5000-37-16A		
Single with spacer assembly	SY5000-37-15A	SY5000-37-17A		
Double, 3 position with spacer assembly	SY3000-37-34A	SY5000-37-18A		

For 100 VAC (115 VAC)

For DC	For SY3000	For SY5000/7000		
For single solenoid	SY3000-37-35A	SY5000-37-19A		
Double solenoid, 3 position type	SY3000-37-36A	SY5000-37-20A		
Single with spacer assembly	SY5000-37-19A	SY5000-37-21A		
Double, 3 position with spacer assembly	SY3000-37-37A	SY5000-37-22A		

∆Caution

• For non-polar (U) valves, the electrical DC connections can be used with either positive and negative COM. For type (Z), only use with positive COM as the valve does not operate correctly when used with negative COM.



[]: AC

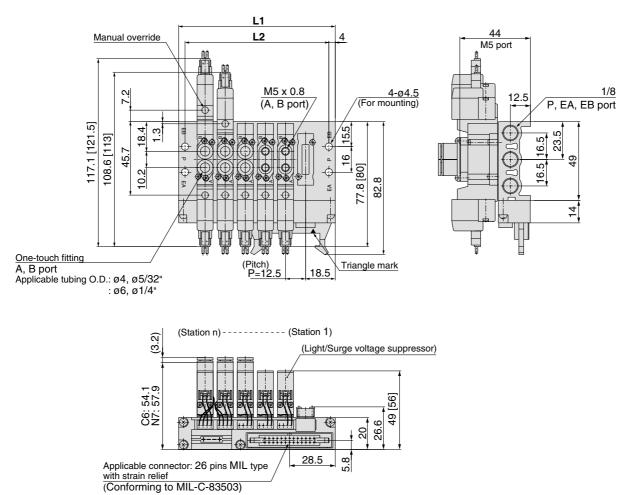
SV

SZ

SY

SYJ

SX



Stations n	4	5	6	7	8	9	10	11	12
L1	72.5	85	97.5	110	122.5	135	147.5	160	172.5
L2	64.5	77	89.5	102	114.5	127	139.5	152	164.5