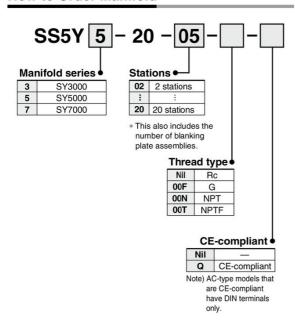
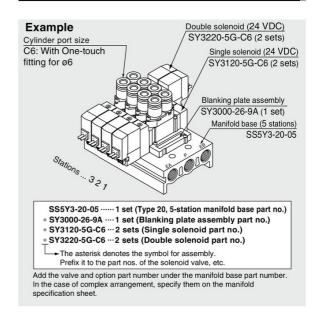


How to Order Manifold



How to Order Manifold Assembly (Example)



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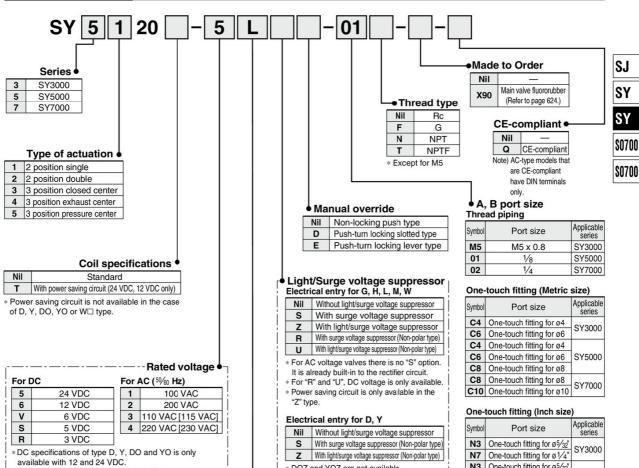
Body Ported **SY3000/5000/7000 Series** Type **20**





Note) AC-type models that are CE-compliant have DIN terminals only.





Nil	Without light/surge voltage suppressor					
S With surge voltage suppressor (Non-polar						
Z With light/surge voltage suppressor (Non-polar ty						
* DOZ	and YOZ are not available.					
* For A	C voltage valves there is no "S" option.					
It is a	Iready built-in to the rectifier circuit.					

Note) When placing an order for body ported solenoid valve as a single unit, mounting screw for manifold and gasket are not attached. Order them separately, if necessary

N7 One-touch fitting for ø 1/4" N3 One-touch fitting for ø5/32

N7 One-touch fitting for ø 1/4"

N9 One-touch fitting for ø5/16"

N9 One-touch fitting for ø5/16 N11 One-touch fitting for ø3/8"

Electrical entry

		24, 12, 6, 5, 3 VDC/ 100, 110, 200, 220 VAC			24, 12 VDC/ 100, 110, 200, 220 VAC	24, 12, 6, 5, 3 VDC
		Grommet	L plug connector	M plug connector	DIN terminal	M8 connector
		G: Lead wire length 300 mm H: Lead wire length 600 mm	LN: Without lead wire	M: With lead wire (Length 300 mm) MN: Without lead wire MO: Without connector	(SY5000/7000 only) D: With connector DO: Without connector Y: With connector YO: Without connector	WO: Without connector cable W□: With connector cable Note 2)
Manifold mounting	SY3000	•	•	•	Note 1)	•
	SY5000	•	•	•	•	•
	SY7000	•	•	•	•	•
CE-	DC	•	•	•	•	•
compliant	AC	_	_	_	•	_

Note 1) The DIN terminal of the SY3000 series cannot be mounted on a standard manifold. For details, refer to page 639.

Note 2) Enter the cable length symbols in □. Please be sure to fill in the blank referring to page 642.

* LN, MN type: with 2 sockets.

For type W□, DC voltage is only available

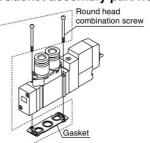
terminals only.

Note) AC-type models that are CE-compliant have DIN

- * "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C). For details, refer to page 638.
- * For connector cable of M8 connector, refer to page 641.
- * M8 thread conforming to IEC60947-5-2 standard is also available. Refer to page 623 for
- * Refer to page 638 for the lead wire length of L and M plug connectors.
- * Refer to page 639 for the connector assembly with cover for L and M plug connectors



■Gasket assembly part no.



Series	Gasket assembly part no.
SY3000	SY3000-GS-1
SY5000	SY5000-GS-1
SY7000	SY7000-GS-1

Note) The gasket assembly includes 10 sets of mounting screws and a gasket.

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SY5000

Type 20 SY3000/5000/7000 Series



Manifold Specifications

Model		SS5Y3-20(-Q)	SS5Y3-20(-Q) SS5Y5-20(-Q)			
Applicable	valve	SY3□20	SY7□20			
Manifold type		Single base/B mount				
P (SUP)/R (EXH)		Common SUP, Common EXH				
Valve stations		2 to 20 stations Note1)				
A, B port location		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)	1/8 C4 (One-touch fitting for ø4) C6 (One-touch fitting for ø6) C8 (One-touch fitting for ø8)			
Manifold base weight W (g) n: Stations		W = 13n + 24	W = 36n + 64	W = 43n + 35		

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

Flow Rate Characteristics

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

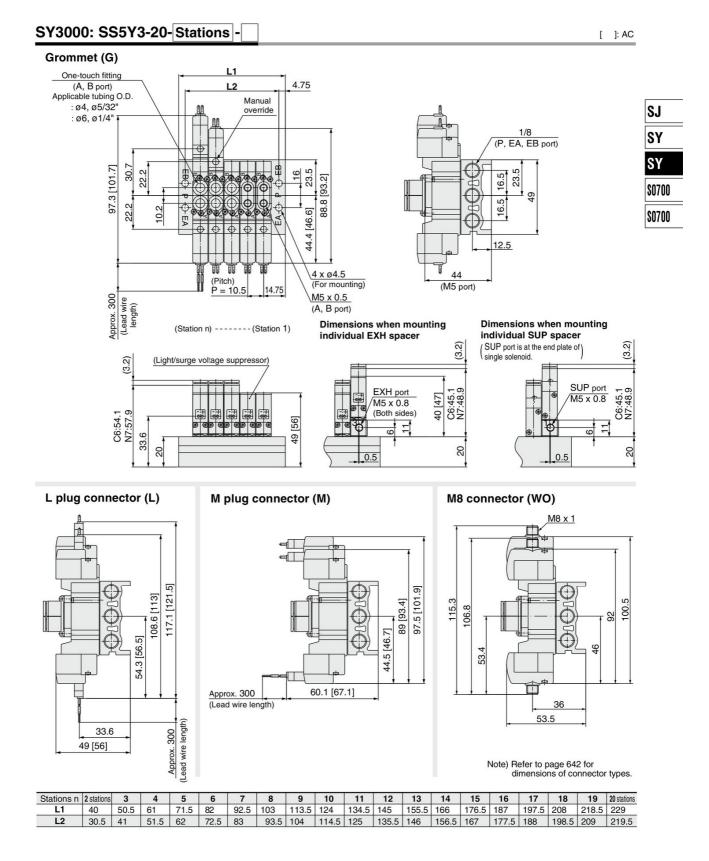
Note) The value is for manifold base with 5 stations and individually operated 2 position type.

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Note 2) Refer to "Manifold Option" on page 467.

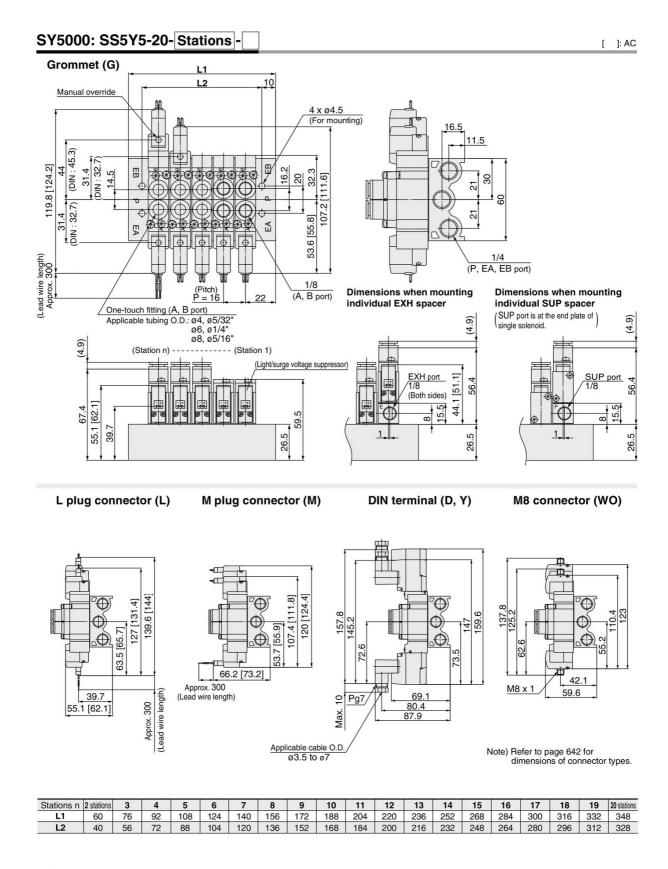
Body Ported SY3000/5000/7000 Series Type 20



SMC

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Type 20 SY3000/5000/7000 Series



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