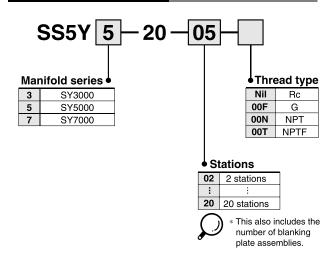
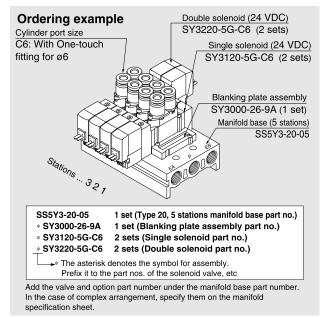


Series SY3000/5000/7000 Body Ported Manifold Bar Stock Type Individual Wiring

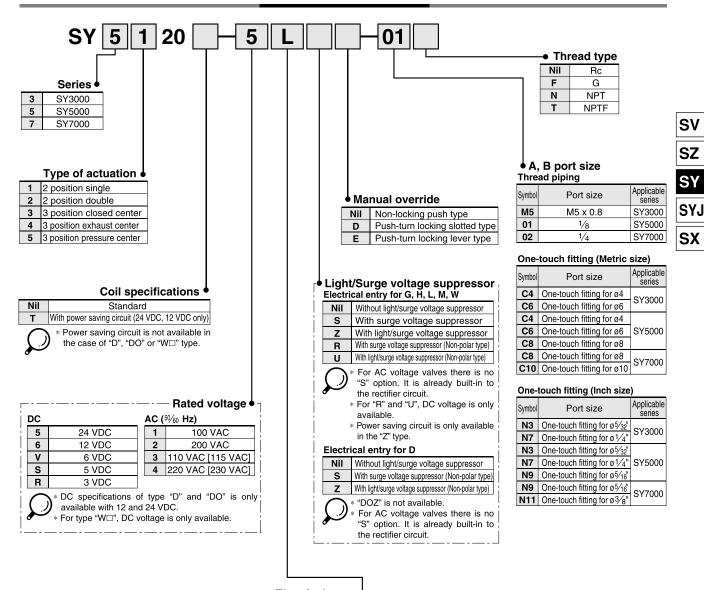
How to Order Manifold



How to Order Valve Manifold Assembly

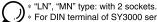


How to Order Valves



Electrical entry

	, 12, 6, 5, 3 VDC/ 0, 110, 200, 220 V	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	L: With lead wire	M: With lead wire	D: With connector	WO: Without
length 300 mm	(Length 300 mm)	(Length 300 mm)	DO: Without	connector
H: Lead wire	LN: Without lead wire	MN: Without lead wire	connector	cable
length 600 mm	LO: Without connector	MO: Without connector		



* For DIN terminal of SY3000 series, refer to page 1-4-207.

* DIN terminal type "Y" conforming to DIN4365C standard is also available. For details, refer to catalog on page 1-4-201.

* For connector cable of M8 connector, refer to page 1-4-209.



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

(For details, refer to catalog in page 1-4-61.)





Manifold Specifications

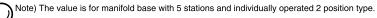
Model		SS5Y3-20	SS5Y5-20	SS5Y7-20		
Applicat	ole valve	SY3□20	SY5□20	SY7□20		
Manifold typ	e		Single base/B mount			
P (SUP)/R (I	EXH)	Co	mmon SUP, Common E	XH		
Valve station	าร		2 to 20 stations Note 1)			
A, B port loc	ation	Valve				
	P, EA, EB port	1/8	1/4	1/4		
Port size	A, B port	M5 x 0.8 C4 (One-touch 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 = 13n + 35	W = 36n + 64	W = 43n + 64		

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

Note 2) Refer to "Manifold Option" on page 1-4-61.

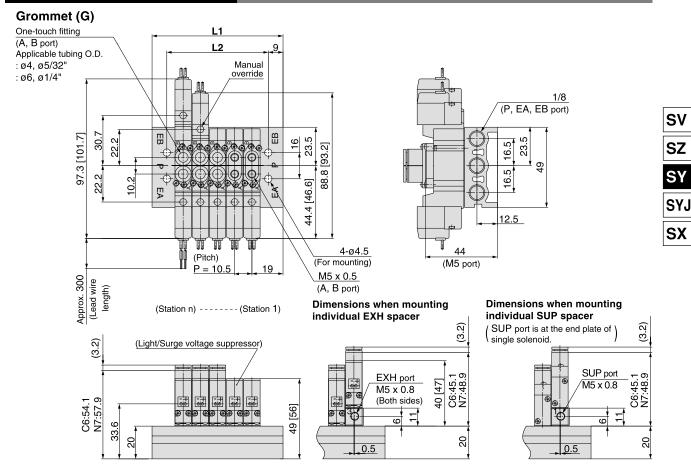
Flow Characteristics

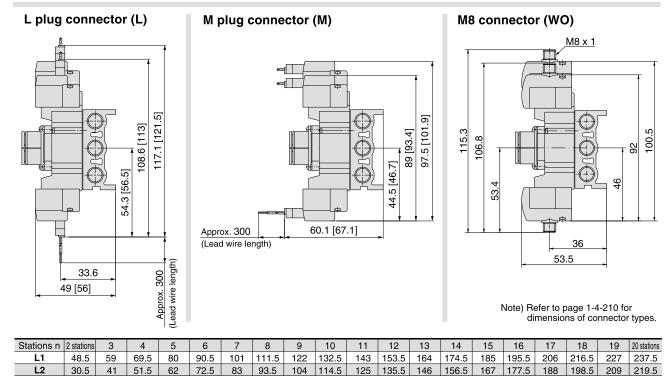
	Port size		Flow characteristics					
Model	1, 5, 3	4, 2	1 →	1 → 4/2 (P → A/B)			5/3 (A/B →	EA/EB)
	(P, EA, EB)	(A, B)	C (dm3/(s-bar))	b	Cv	C (dm3/(s.bar))	b	Cv
SS5Y3-20	1/8	C6	0.72	0.29	0.18	0.80	0.36	0.21
SS5Y5-20	1/4	C8	1.9	0.28	0.48	2.2	0.20	0.53
SS5Y7-20	1/4	C10	3.6	0.31	0.93	3.6	0.27	0.88

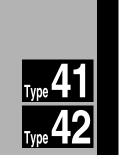


SY3000/SS5Y3-20-Stations-



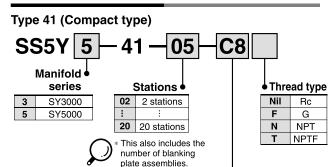






Series SY3000/5000/7000 Base Mounted Manifold Bar Stock Type Individual Wiring

How to Order Manifold



A, B port size Thread piping

Symbol	Port size	Applicable series
M5	M5 x 0.8	SY3000
01	1/8	SY5000

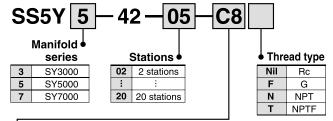
One-touch fitting (Metric size)

Symbol	Port size	Applicable series		
C4	One-touch fitting for ø4	SY3000		
C6	One-touch fitting for ø6	513000		
C6	One-touch fitting for ø6	SY5000		
C8	One-touch fitting for ø8			

One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N3	One-touch fitting for ø 5/32"	SY3000
	One-touch fitting for ø1/4"	513000
N7	One-touch fitting for ø 1/4"	SY5000
	One-touch fitting for ø5/16"	313000

Type 42 (External pilot capable type)



♦ A, B port size Thread piping

Symbol	Port size	Applicable series
01	1/8	SY3000
02	1/4	SY5000
02	1/4	SY7000

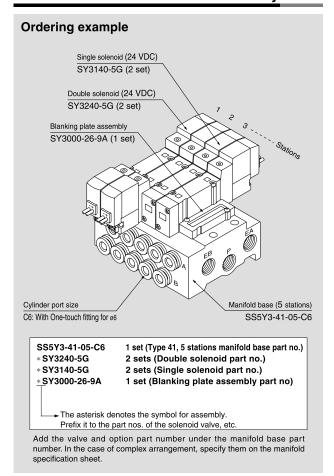
One-touch fitting (Metric size)

one reason maning (meane enze)							
Symbol	Port size	Applicable series					
C4	One-touch fitting for ø4	SY3000					
C6	One-touch fitting for ø6	313000					
C6	One-touch fitting for ø6	SY5000					
C8	One-touch fitting for ø8	515000					
C10	One-touch fitting for ø10	SY7000					

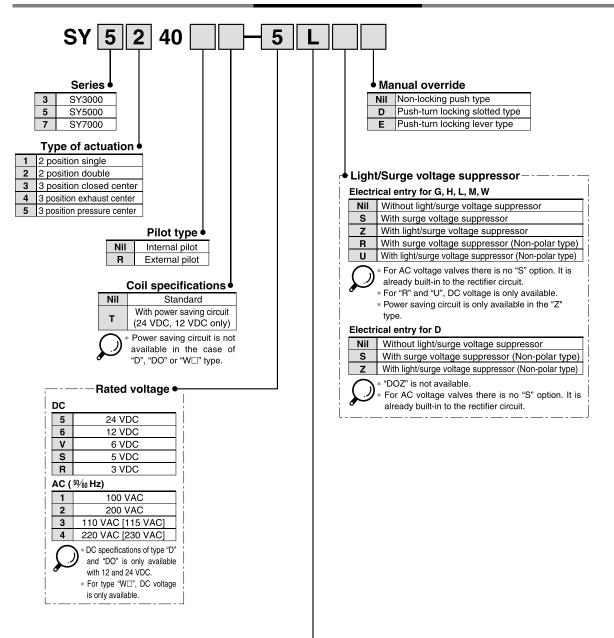
One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N3	One-touch fitting for ø5/32"	SY3000
N7	One-touch fitting for ø1/4"	313000
N7	One-touch fitting for ø1/4"	SY5000
N9	One-touch fitting for ø5/16"	313000
N9	One-touch fitting for ø5/16"	SY7000

How to Order Valve Manifold Assembly

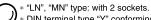


How to Order Valves



Electrical entry

24, 12, 6,	5, 3 VDC/100, 110, 200	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 lead	L: With lead wire (Length 300 mm)		D: With connector DO: Without	WO: Without connector cable
H: Lead wire length 600 mm	LN: Without lead wire LO: Without	mm) MN: Without lead	connector	



* DIN terminal type "Y" conforming to DIN43650C standard is also available. For details, refer to catalog on page 1-4-201.

1-4-85

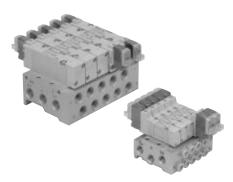
SV

SZ

SX

^{*} For connector cable of M8 connector, refer to page 1-4-210.

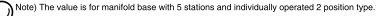
Manifold Specifications



Model		SS5Y3-41	SS5Y3-42	SS5Y5-41	SS5Y5-42	SS5Y7-42		
Applic	able	valve	SY3	□40	SY5	□40	SY7□40	
Manifo	ld ty	ре		Si	ngle base/B mou	ınt		
P(SUP)/R(I	EXH)		Comm	on SUP, Commo	n EXH		
Valve s	statio	ons		2 to 20 stations Note 1)				
A, B pc	rt	Location	Base					
Porting speci	fications	Direction	Side					
	P, EA, EB port		1/	⁄8	1/	1/4		
Port			M5 x 0.8,	1/8	1/8	1/4	1/4	
size	Α,	B port	C4 (One-touch fitting for ø4)	C4 (One-touch fitting for ø4)	C6 (One-touch fitting for ø6)	C6 (One-touch fitting for ø6)	7.4 C10 (One-touch fitting for α10)	
			C6 (One-touch fitting for ø6)	C6 (One-touch fitting for ø6)	C8 (One-touch fitting for ø8)	C8 (One-touch fitting for ø8)	O TO (One-touch litting for \$10)	
Manifold base weight W (g) n: Stations		0	W = 30n + 50	W = 37n + 63	W = 61n + 101	W = 79n + 127	W = 100n + 151	

Flow Characteristics

	Port size		Flow characteristics						
Model	1, 5, 3	4, 2	1 →	1 → 4/2 (P → A/B)			5/3 (A/B →	EA/EB)	
	(P, EA, EB)	(A, B)	C (dm3/(s·bar))	b	Cv	C (dm3/ (s-bar))	b	Cv	
SS5Y3-41	1/8	C6	0.75	0.19	0.18	0.81	0.23	0.20	
SS5Y3-42	1/8	C6	0.75	0.20	0.18	0.82	0.20	0.20	
SS5Y5-41	1/4	C8	1.8	0.23	0.44	1.9	0.16	0.45	
SS5Y5-42	1/4	C8	1.9	0.20	0.46	1.9	0.12	0.43	
SS5Y7-42	1/4	C10	3.0	0.25	0.75	3.0	0.12	0.66	



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

Note 2) Refer to "Manifold Option" on page 1-4-114.

SY3000: SS5Y3-41-Stations -M5, C4, N3 C6, N7

20.7

42.1

L1

L2

38.5

30.5

49

59.5

51.5

70

62

80.5

72.5

91

83

101.5

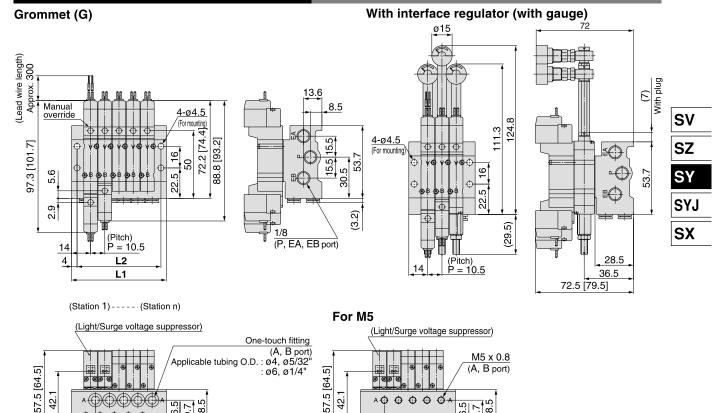
93.5 104

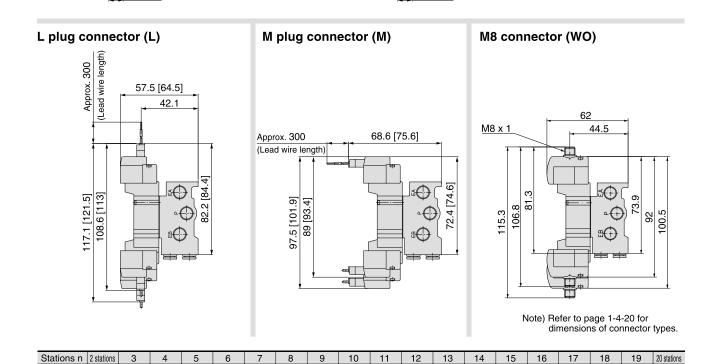
112

10.5

P`= 10.5







42.1

10.5

0000

0 0 0⊕

(Pitch)

P = 10.5

122.5

114.5 125

133

143.5 154

135.5 146

164.5

156.5 167

175

185.5

177.5

196

206.5

198.5 209

217

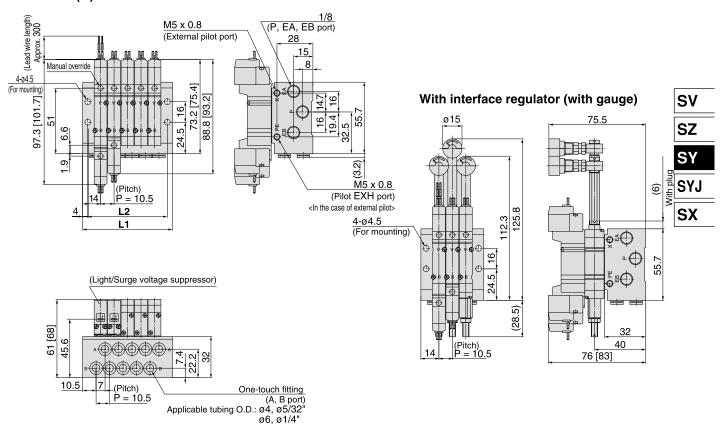
227.5

219.5

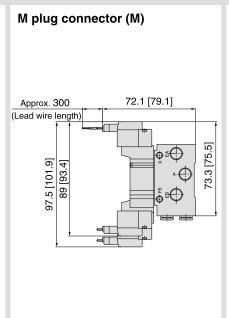
SY3000: SS5Y3-42- Stations - C4, N3 C6, N7



Grommet (G)



T blnd counector (r) (121.5] 1.71 (121.5] 1.85.31 (85.3]



115.3 100.5 100.5

M8 connector (WO)

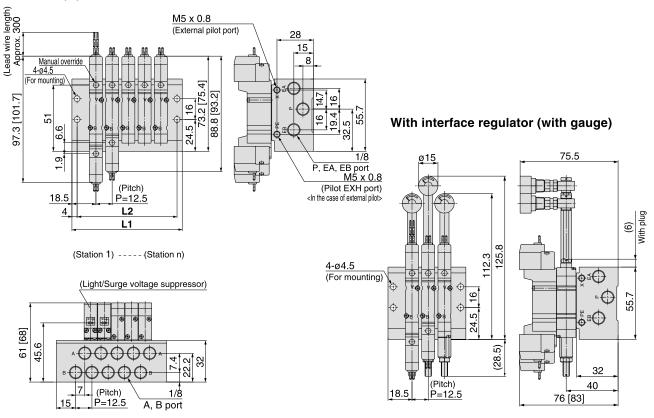
Note) Refer to page 1-4-210 for dimensions of connector types.

Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 stations
L1	38.5	49	59.5	70	80.5	91	101.5	112	122.5	133	143.5	154	164.5	175	185.5	196	206.5	217	227.5
L2	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5	146	156.5	167	177.5	188	198.5	209	219.5

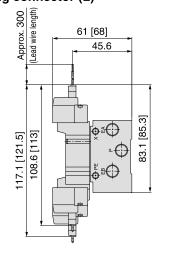
SY3000: SS5Y3-42- Stations -01



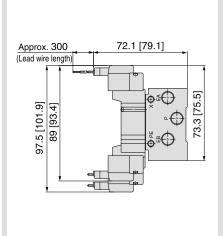
Grommet (G)



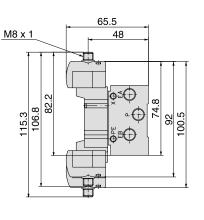
L plug connector (L)



M plug connector (M)



M8 connector (WO)



Note) Refer to page 1-4-210 for dimensions of connector types.

Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 stations
L1	47.5	60	72.5	85	97.5	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5	235	247.5	260	272.5
L2	39.5	52	64.5	77	89.5	102	114.5	127	139.5	152	164.5	177	189.5	202	214.5	227	239.5	252	264.5