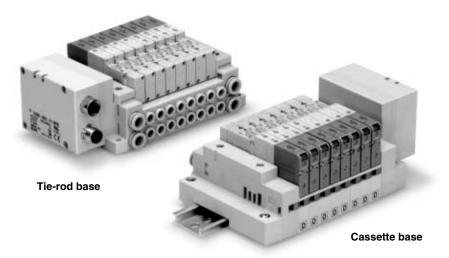
Decentralized Serial Wiring

Series EX500

IP67 compliant



	Applicable series	Cassette base manifold SV1000/SV2000
		Tie-rod base manifold SV1000/SV2000/SV3000/SV4000
		Number of output points: 16 points EX500 gateway unit communication specifications Remote I/O, DeviceNet, PROFIBUS-DP

sv

SZ

SY

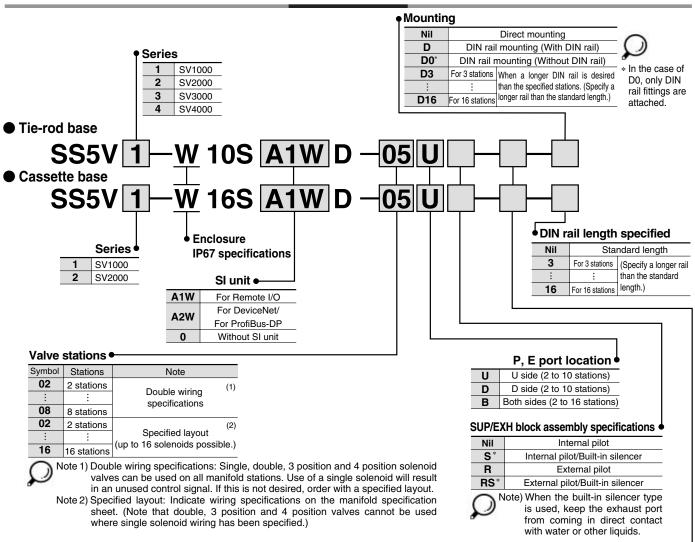
SYJ

SX

Series EX500 Decentralized Serial Wiring

Series SV

How to Order



A, B port size (metric)

	Symbol	A, B port	P, E port	Applicable series		
	C3	One-touch fitting for ø3.2				
	C4	One-touch fitting for ø4	One-touch	SV1000		
	C6	One-touch fitting for ø6	fitting for ø8			
	C4	One-touch fitting for ø4				
	C6	One-touch fitting for ø6	One-touch fitting for ø10	SV2000		
	C8	One-touch fitting for ø8	litting for \$10			
	C6	One-touch fitting for ø6	0	SV3000		
	C8	One-touch fitting for ø8	One-touch fitting ø12			
_	C10	One-touch fitting for ø10	IIIIIII Ø 12			
e d	C8	One-touch fitting for ø8				
•	C10	One-touch fitting for ø10	One-touch fitting ø12			
r	C12	One-touch fitting for ø12	IIIIIII Ø 12	SV4000		
	02	Rc 1/4	Do 2/0			
	03	Rc3/8	Rc 3/8			
	02F	G 1/4	G 3/8			
	03F	G 3/8	G 3/8			
	M	A, B ports mixed	·	·		

♦ A, B port size (inch)

Symbol	A, B port	P, E port	Applicable series							
N1	One-touch fitting for ø1/8"	One-touch								
N3	One-touch fitting for ø5/32"	fitting for	SV1000							
N7	One-touch fitting for ø1/4"	ø5/16"								
N3	One-touch fitting for ø5/32"	One-touch								
N7	One-touch fitting for ø1/4"	fitting for	SV2000							
N9	One-touch fitting for ø5/16"	ø3/8"								
N7	One-touch fitting for ø1/4"	One-touch								
N9	One-touch fitting for ø5/16"	fitting for	SV3000							
N11	One-touch fitting for ø3/8"	ø3/8"								
N9	One-touch fitting for ø5/16"	One-touch								
N11	One-touch fitting for ø3/8"	fitting for ø3/8"								
02N	NPT 1/4	NDT 0/0	SV4000							
03N	NPT 3/8	NPT 3/8	01.000							
02T	NPTF 1/4	NIDTE 0/0	1							
03T NPTF 3/8		NPTF 3/8								
M	A, B ports mixed									

- In the case of mixed specifications (M), indicate separately on the manifold specification sheet.
- * Port sizes of X, PE port for external pilot specifications (R, RS) are Ø4 (metric), Ø5/32" (inch) for SV1000/2000 and Ø6 (metric) and Ø1/4" (inch) for SV3000/4000.





Series SV

Cassette base manifold



Manifold Specifications

App	olicable series	SV1000	SV2000			
Manifold type		Stacking type cassette base manifold				
1 (P: SUP)/3,	5 (E: EXH) type	Common SUP, EXH				
Valve stations	(maximum)	18 stations	20 stations			
Max. number	of solenoids	18 points	26 points			
	1(P), 3/5(E) port	C8, N9	C10, N11			
Port size	4(A), 2(B) port	C3, C4, C6	C4, C6, C8			
	4(A), 2(b) port	N1, N3, N7	N3, N7, N9			

be easily done by lever operation. Flow Characteristics

Port size Flow characteristics Model 1, 5, 3 4.2 $1 \rightarrow 4/2 \ (P \rightarrow A/B)$ $4/2 \rightarrow 3/5 \text{ (A/B} \rightarrow \text{E)}$ C [dm3/(s·bar)] Cv C [dm3/(s·bar)] Cv (P, EA, EB) (A, B) b b SS5V1-16 0.22 C8 C6 0.89 0.22 0.98 0.21 0.23 SS5V2-16 C10 C8 2.3 0.28 0.50 2.7 0.18 0.56



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

Tie-rod base manifold



• 34 pins connector allows up to 16 stations with double solenoids.

Manifold Specifications

Арр	olicable series	SV1000	SV1000 SV2000 SV3000					
Manifold type		Tie-rod base manifold						
1 (P: SUP)/3, 5 (E	E: EXH) type	Common SUP, EXH						
Valve stations (m	aximum)	20 stations						
Max. number of s	solenoids	32 points						
	1(P), 3/5(E) port	C8, N9	C10, N11	C12, N11	C12, N11, 03			
Port size	4(A), 2(B) port	C3, C4, C6	C4, C6, C8	C6, C8, C10	C8, C10, C12			
	4(A), 2(B) port	N1, N3, N7	N3, N7, N9	N7, N9, N11	N9, N11, 02, 03			

Flow Characteristics

	Port size		Flow characteristics								
Model	1, 5, 3	4, 2		$1 \rightarrow 4/2(P \rightarrow A/B)$		$4/2 \rightarrow 3/5(A/B \rightarrow E)$					
	(P, EA, EB)	(A, B)	C [dm ³ /(s·bar)]	b	Cv	C [dm ³ /(s·bar)]	b	Cv			
SS5V1-10	C8	C6	0.98	0.26	0.24	1.1	0.35	0.28			
SS5V2-10	C10	C8	2.1	0.20	0.46	2.4	0.18	0.48			
SS5V3-10	C12	C10	4.2	0.22	0.91	4.3	0.21	0.93			
SS5V4-10	C12	C12	6.2	0.19	1.3	7.0	0.18	1.6			

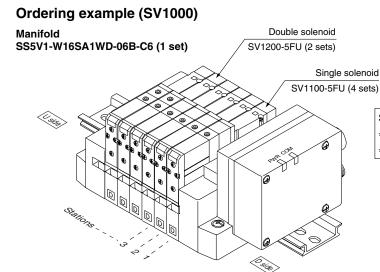
Note) The value is for manifold base with 5 stations and individually operated 2 position type.

Enclosure of Manifold Variations (Common for cassette base and tie-rod base)

(Common to: Cassosite Base and its	. Cu bucc,			
Series	Enclosure (Based on IEC529)			
Series EX500 Decentralized serial wiring	IP67 *			
Series EX250 Serial wiring with input/output onit	IP67			
Series EX120 Dedicated output serial wiring	Dusttight (IP40)			
For circular connector	IP67			
D-sub connector	Dusttight (IP40)			
Flat ribbon cable	Dusttight (IP40)			

^{*} Enclosure of a gateway unit and input manifold is IP65.

How to Order Valve Manifold Assembly



SS5V1-W16SA1WD-06B-C6.....1 set (Manifold part no.) *SV1100-5FU-----4 sets (Single solenoid part no.)

*SV1200-5FU2 sets (Double solenoid part no.)

SV

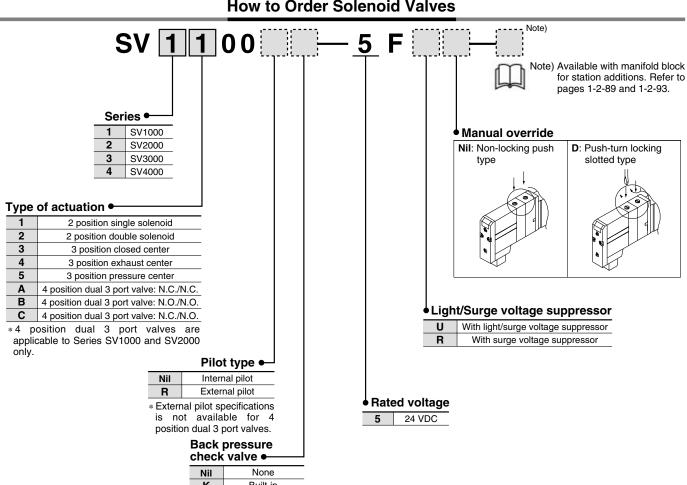
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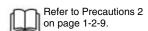
SX

How to Order Solenoid Valves



Nil	None
K	Built-in

- * Built-in back pressure check valve type is applicable to series SV1000 only.
- * Back pressure check valve is not available for 3 position closed center and 3 position pressure



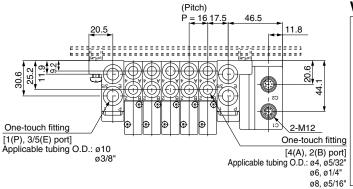


Series SV

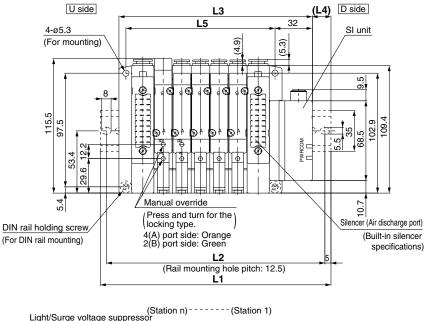
Dimensions: Series SV2000 for EX500 Decentralized Serial Wiring

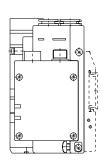
■ Tie-rod base manifold: SS5V2-W10SA□WD-<u>Stations</u> ^U_B(S, R, RS)-^{C4, N3}_{C8, N9}(-D)

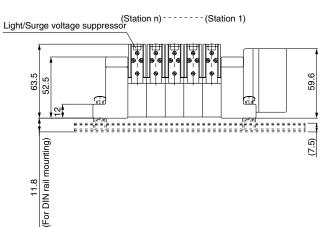
- When P, E port outlets are indicated on the U side or D side, the P, E ports on the opposite side are plugged.
- External pilot port positions and silencer discharge port positions are the same as P, E port outlet positions.

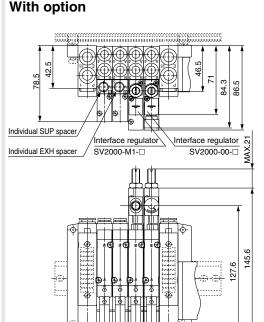


With External Pilot Specifications 49.9 One-touch fitting [PE: Pilot EXH port] Applicable tubing O.D.: ø4 One-touch fitting [X: External pilot port] Applicable tubing O.D.: ø4 ø5/32"









L DI	L Dimension n: Stations														
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	148	160.5	185.5	198	210.5	223	248	260.5	273	285.5	310.5	323	335.5	360.5	373
L2	137.5	150	175	187.5	200	212.5	237.5	250	262.5	275	300	312.5	325	350	362.5
L3	118	134	150	166	182	198	214	230	246	262	278	294	310	326	342
L4	15	13.5	18	16	14.5	12.5	17	15.5	13.5	12	16.5	14.5	13	17.5	15.5
L5	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304