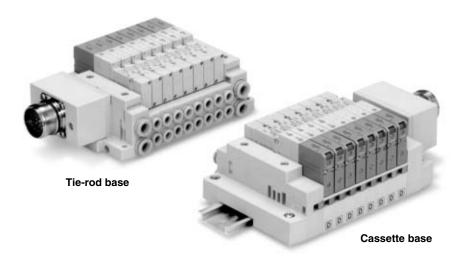
Circular Connector

IP67 compliant



Applicable series

Cassette base manifold
SV1000/SV2000

Tie-rod base manifold
SV1000/SV2000/SV3000/SV4000

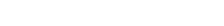
• Number of connectors: 26 pins

SV

SZ

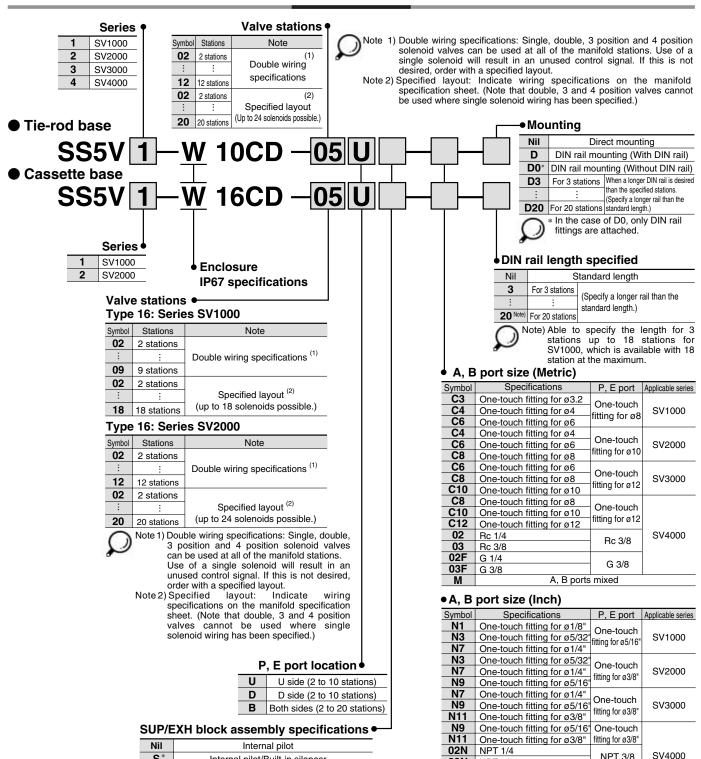
SY

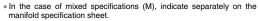
SYJ SX



Circular Connector Series SV

How to Order





A. B ports mixed

NPT 3/8

NPTF 3/8

03N NPT 3/8

02T NPTF 1/4

03T NPTF 3/8

М

S

R

RS

Internal pilot/Built-in silencer

External pilot

External pilot/Built-in silencer

Note) When the built-in silencer type is used, keep the exhaust port from coming in direct contact with

water or other liquids.

Port sizes of X, PE port for external pilot specification (R, RS) are 94(metric), 95/32"(inch) for SV1000/2000 and 96 (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				
Port size	1(P), 3/5(E) port	C8, N9	C10, N11				
	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	SV4000							
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.

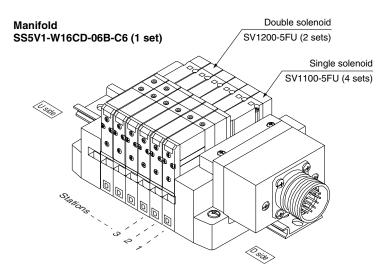
Enclosure of Manifold Variations (Common for cassette base and tie-rod base)

(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

Ordering example (SV1000)



SS5V1-W16CD-06B-C6·······1 set (manifold part no.)

- * SV1100-5FU······4 sets (Single solenoid part no.)
- * SV1200-5FU.....2 sets (Double solenoid part no.)

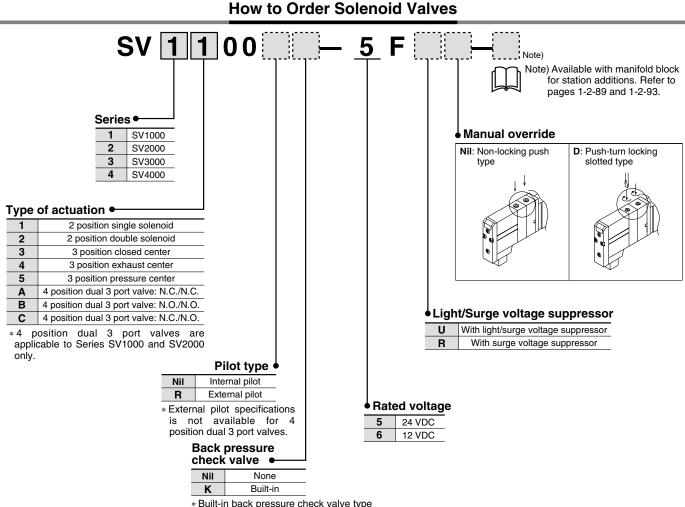
SV

SZ

SY

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SX



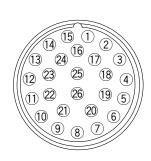
- * Built-in back pressure check valve type is applicable to series SV1000 only.
- *Back pressure check valve is not available for 3 position closed center and 3 position pressure center.

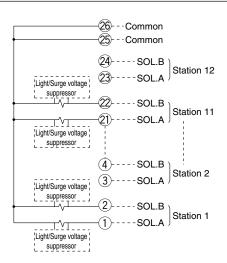


Refer to Precautions 2 on page 1-2-9.

Manifold Electrical Wiring

10C/16C Circular Connector Type (26 pins)





- This circuit has double wiring specifications for up to 12 stations. Since the usable number of solenoids differs depending on the manifold type, refer to the table below. In the case of single solenoids, connect to SOL. A. Furthermore, when wiring is specified on a manifold specification sheet, connections are made without skipping any connectors, and connections are made without skipping any connectors, and signals A for single and A, B for double are in order $1 \rightarrow 2 \rightarrow 3 \rightarrow 4$, etc.
- Stations are counted from D side (connector side) as the 1st.
- Since solenoid valves do not have polarity, either the +COM or -COM can be used.

Usable No. of Solenoids

Model	Max. no. of solenoids									
	SV1000									
Tie-rod base type 10	to	24								
	SV4000									
Cassatta basa tuna 16	SV1000	18								
Cassette base type 16	SV2000	24								

SV

SZ

SY

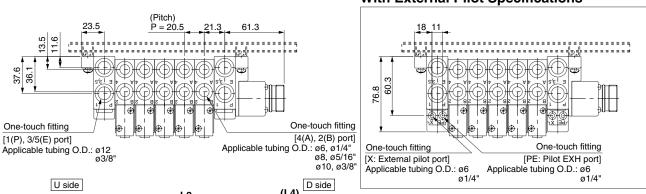
SYJ

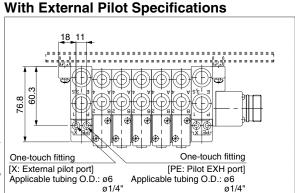
SX

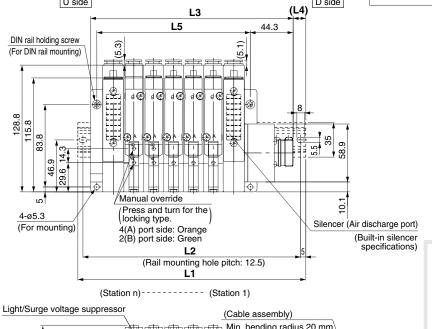
Dimensions: Series SV3000 for Circular Connector

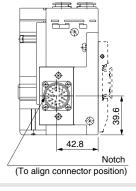
■ Tie-rod base manifold: SS5V3-W10CD- Stations p (S, R, RS).

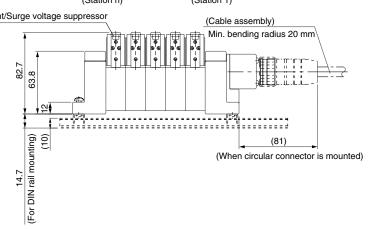
When P, E port outlets are indicated on the U side or D side, the P, E ports on the opposite side are plugged.
External pilot port positions and silencer discharge port positions are the same as P, E port outlet positions.

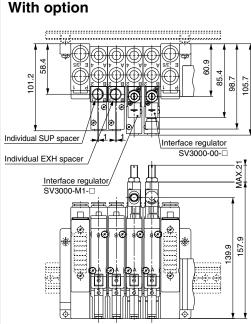












I)	ime	ทรเ	იn

L Dimension n: Station													Stations						
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	173	198	223	235.5	260.5	285.5	298	323	335.5	360.5	385.5	398	423	448	460.5	485.5	510.5	523	548
L2	162.5	187.5	212.5	225	250	275	287.5	312.5	325	350	375	387.5	412.5	437.5	450	475	500	512.5	537.5
L3	147.8	168.3	188.8	209.3	229.8	250.3	270.8	291.3	311.8	332.3	352.8	373.3	393.8	414.3	434.8	455.3	475.8	496.3	516.8
L4	12.5	15	17	13	15.5	17.5	13.5	16	12	14	16.5	12.5	14.5	17	13	15	17.5	13.5	15.5
L5	97	117.5	138	158.5	179	199.5	220	240.5	261	281.5	302	322.5	343	363.5	384	404.5	425	445.5	466