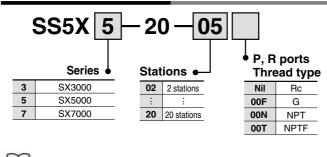


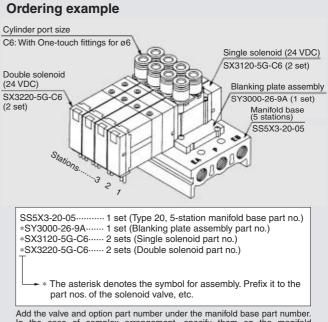
# Series SX3000/5000/7000 **Body Ported Manifold Bar Stock Type** Individual Wiring

## How to Order Manifold



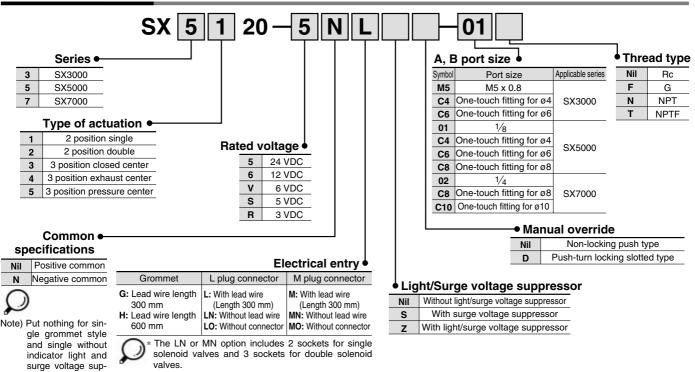
Connector assembly for L and M types	Refer to page 1-6-8.
Common connector assembly for manifold	Refer to page 1-6-9

#### 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.

# How to Order Valves



presser.

**Body Ported** Series SX3000/5000/7000

### **Manifold Specifications**

Mo	odel	SS5X3-20	SS5X3-20 SS5X5-20							
Applica	ble valve	SX3□20	SX3□20 SX5□20							
Manifold typ	e		Single base/B mount							
P (SUP)/R (	EXH)	Co	ommon SUP/Common EX	КН						
Valve statio	ns Note)		2 to 20 stations							
A, B port loc	cation	Valve								
Port size	P, EA, EB port	Rc 1/8	Rc 1/4	Rc 1/4						
	A, B port	M5 x 0.8 C4 (One-touch fitting for ø4) C6 (One-touch fitting for ø6)	Rc 1/8 C4 (One-touch fitting ø4) C6 (One-touch fitting for ø6) C8 (One-touch fitting for ø8)	Rc 1/4 C8 (One-touch fitting for ø8) C10 (One-touch fitting for ø10)						
Manifold base n: Stations	e weight W (g)	W = 19n + 45	W = 51n + 81							
Note) For more than 10 stations, supply pressure to P port on both sides and exhaust from EA and										

2 EB port on both sides.

#### **Flow Characteristics**

	Port	eizo	Flow characteristics									
	101	3126	1 →	$4/2 (P \rightarrow A)$	A/B)	$4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB)$						
Model	1, 5, 3 (P, EA, EB)	4, 2 (A, B)	C [dm³/ (s·bar)]	b	Cv	C [dm³/ (s·bar)]	b	Cv				
SS5X3-20	Rc 1/8	C6	0.72	0.29	0.18	0.80	0.36	0.21				
SS5X5-20	Rc 1⁄4	C8	1.9	0.28	0.48	2.2	0.20	0.53				
SS5X7-20	Rc 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.

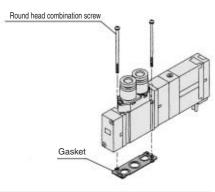
#### **Manifold Option**

#### Blanking plate assembly



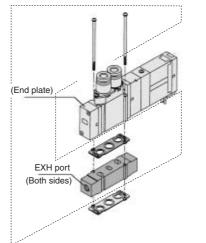
Series	Assembly part no.
SX3000	SY3000-26-9A
SX5000	SY5000-26-20A
SX7000	SY7000-26-22A

#### Bolt and gasket part no.



Series	Round head combination screw	Gasket
SX3000	SX3000-22-2 (M2 x 24)	SY3000-11-24
SX5000	M3 x 30 (Matt nickel plated)	SY5000-11-10
SX7000	M4 x 35 (Matt nickel plated)	SY7000-11-9

#### Individual EXH spacer assembly



no. Port size
A M5 x 0.8
A 1⁄8
A 1/4

#### Plug

Inserted into an unused cylinder port and SUP/EXH ports. Purchasing order is available in units of 10 pieces.

**SMC** 

#### Dimensions

Dimensions			ligaro	.)	I NPIF
Applicable fitting ød	Model	A	L	D	
4	KQ2P-04	16	32	6	
6	KQ2P-06	18	35	8	
8	KQ2P-08	20.5	39	10	_
10	KQ2P-10	22	43	12	Caution
5/32"	KQ2P-03	16	32	6	
1/4"	KQ2P-07	18	35	8.5	Mounting Screw Tightening Torques
5/16"	KQ2P-09	20.5	39	10	M2: 0.17 N·m
3/8"	KQ2P-11	22	43	11.5	<sup>−</sup> M3: 0.8 N·m − M4: 1.4 N·m

A Warning

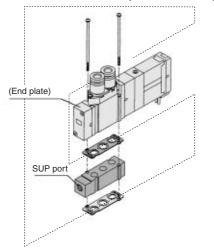
# When mounting a valve or spacer on the manifold base or sub-plate, etc., those mounting directions are determined. If mounted in the wrong direction, the equipment to be connected may cause malfunction. Refer to external dimensions in pages 1-6-44 to 1-6-46, and then mount it. 1-6-43

SY SYJ SX

SV

SZ

Individual SUP spacer assembly



Series	Assembly part no.	Port size
SX3000	SX3000-38-1⊮A	M5 x 0.8
SX5000	SX5000-38-1⊮A	Rc 1⁄8
SX7000	SX7000-38-20A	Rc 1⁄4

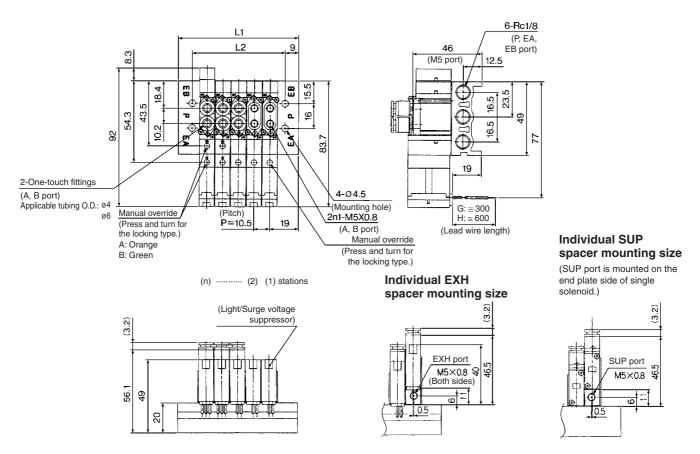
Note) The SUP port may be either on the lead wire side or on \* Thread type (Factory assembled spacer will be shipped with the orientation shown in the figure.) Nil Rc F G





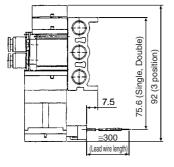
# SX3000: SS5X3-20- Stations

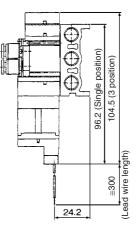
#### Grommet (G)



L plug connector (L)

M plug connector (M)





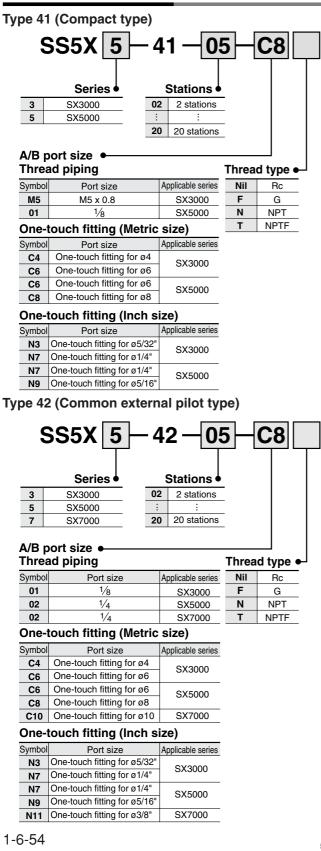
n: Stations (n1 + n2)

Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 stations
L1	48.5	59	69.5	80	90.5	101	111.5	122	132.5	143	153.5	164	174.5	185	195.5	206	216.5	227	237.5
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

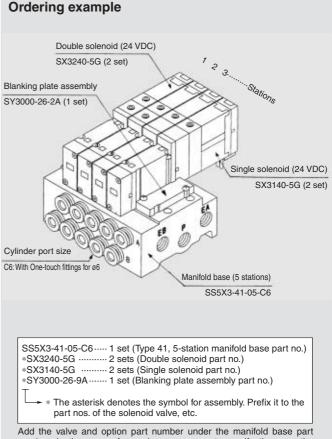


# Series SX3000/5000/7000 Base Mounted Manifold Bar Stock Type Individual Wiring

# 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.



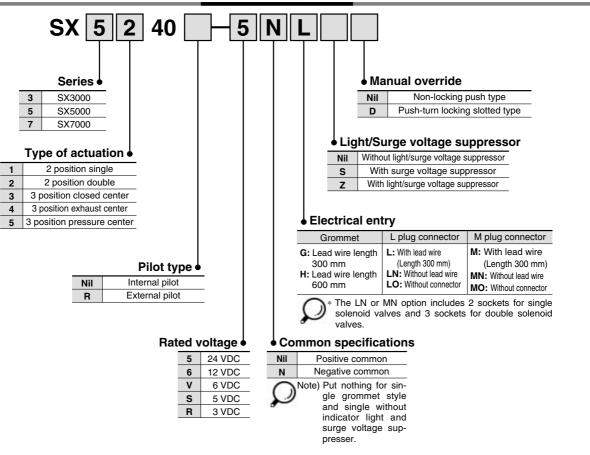
Connector assembly for L and M types....
Common connector ass'y for manifold.....

Refer to page 1-6-8. Refer to page 1-6-9.



Base Mounted Series SX3000/5000/7000 Type 41 Type

How to Order Valves



**SMC** 

SV

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SY

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SX





#### **Manifold Specifications**

Ν	Node	əl	SS5X3-41	SS5X3-42	SS5X5-41	SS5X5-42	SS5X7-42					
Applic	able	e valve	SX3⊡40	SX3□40(R)	SX5⊡40	SX5□40(R)	SX7□40(R)					
Manifold type Single base/B mount												
P(SUF	P)/R(	EXH)		Comm	on SUP/Commo	n EXH						
Valve stations Note) 2 to 20 stations												
A, B Porting Location			Base									
specificat	ions	Direction	Side									
	Ρ, Ε	A, EB port	Rc	1/8	Rc	Rc 1/4						
Port size	A,	B port	M5 x 0.8 C4 (One-touch fitting for ø4) C6 (One-touch fitting for ø6)	Rc 1⁄8 C4 (One-touch fitting ø4) C6 (One-touch fitting for ø6)	Rc 1⁄8 C6 (One-touch fitting for ø6) C8 (One-touch fitting for ø8)	Rc 1/4 C6 (One-touch fitting for ø6) C8 (One-touch fitting for ø8)	Rc 1/4 C10 (One-touch fitting for ø10)					
Manifold base weight W (g) n: Stations			W = 30n + 50	W = 37n + 63	W = 61n + 101	W = 79n + 127	W = 100n + 151					

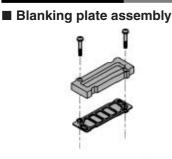
Note) For more than 10 stations, supply pressure to P port on both sides and exhaust from EA and EB port on both sides.

#### **Flow Characteristics**

	Port	size	Flow characteristics Note)								
	TOIL	5126	1 →	$4/2 (P \rightarrow A)$	A/B)	$4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB)$					
Model	1, 5, 3 (P, EA, EB)	4, 2 (A, B)	C [dm³/ (s·bar)]	b	Cv	C [dm³/ (s·bar)]	b	Cv			
SS5X3-41	Rc 1/8	C6	0.75	0.19	0.18	0.81	0.23	0.20			
SS5X3-42	Rc 1/8	C6	0.75	0.20	0.18	0.82	0.20	0.20			
SS5X5-41	Rc 1/4	C8	1.8	0.23	0.44	1.9	0.16	0.45			
SS5X5-42	Rc 1⁄4	C8	1.9	0.20	0.46	1.9	0.12	0.43			
SS5X7-42	Rc 1/4	C10	3.0	0.25	0.75	3.0	0.12	0.66			

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

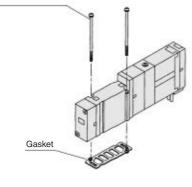
### **Manifold Option**



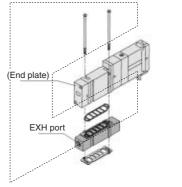
Series	Assembly part no.
SX3000	SY3000-26-9A
SX5000	SY5000-26-20A
SX7000	SY7000-26-22A

#### Bolt and gasket part no.

Round head combination screw

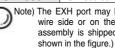


Series	Round head combination screw	Gasket
SX3000	SX3000-22-2 (M2 x 24)	SY3000-11-25
SX5000	M3 x 30 (Matt nickel plated)	SY5000-11-15
SX7000	M4 x 35 (Matt nickel plated)	SY7000-11-11

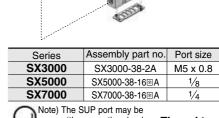


Series	Assembly part no.	Port size
SX3000	SX3000-39-2A	M5 x 0.8
SX5000	SX5000-39-16⊠A	1⁄8
SX7000	SX7000-39-16⊠A	1⁄4

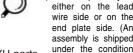
**SMC** 



Note) The EXH port may be either on the lead wire side or on the end plate side. (An assembly is shipped under the condition shown in the figure.)



shown in the figure.)



ł	* Thre	ad type
e n	Nil	Rc
t	F	G
n	Ν	NPT
	Т	NPTF

Plug

Inserted into an unused cylinder port and SUP/EXH ports. Purchasing order is available in units of 10 pieces. Dimensions

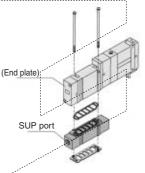
Dimensions					
Applicable fittings fitting ød	Model	Α	L	D	
4	KQ2P-04	16	32	6	
6	KQ2P-06	18	35	8	
8	KQ2P-08	20.5	39	10	
10	KQ2P-10	22	43	12	▲ Caution
5/32"	KQ2P-03	16	32	6	Mounting screw tightening
1/4"	KQ2P-07	18	35	8.5	torques
5/16"	KQ2P-09	20.5	39	10	M2: 0.17 N·m
3/8"	KQ2P-11	22	43	11.5	- M3: 0.8 N⋅m - M4: 1.4 N⋅m

# \land Warning

When mounting a valve or spacer on the manifold base or sub-plate, etc., those mounting directions are determined. If mounted in the wrong direction, the equipment to be connected may cause malfunction. Refer to external dimensions in pages 1-6-57 to 1-6-63, and then mount it.

# Individual EXH spacer assembly

Individual SUP spacer assembly



**Base Mounted** Series SX3000/5000/7000



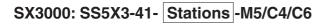
SV

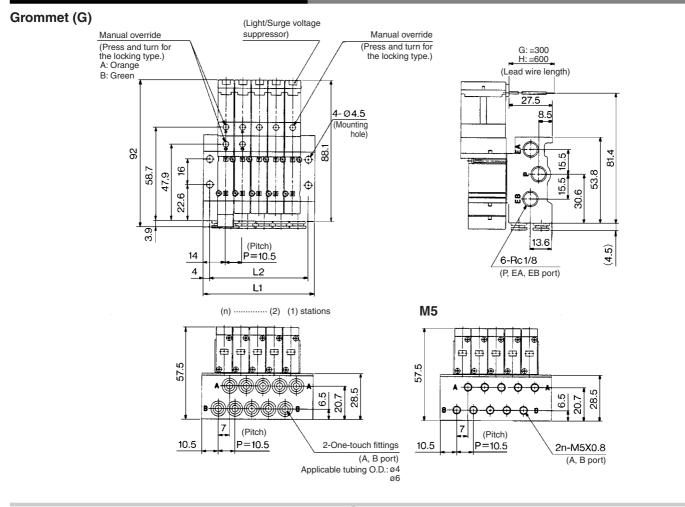
SZ

SY

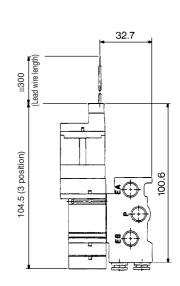
SYJ

SX

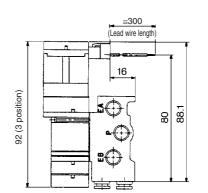




L plug connector (L)



M plug connector (M)



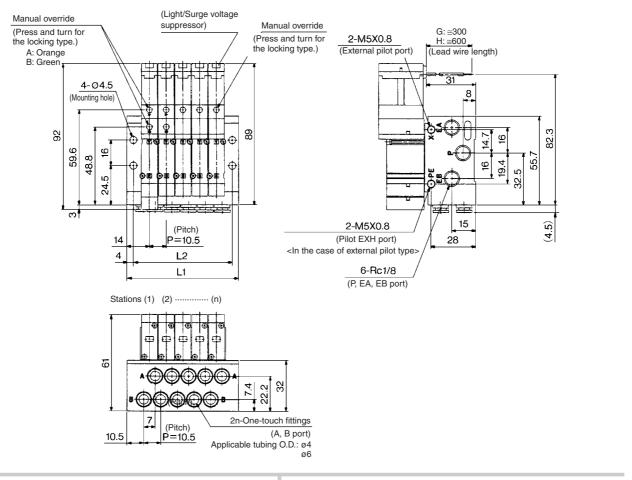
																			(mm)
Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 stations
L1	38.5	49	59.5	70	80.5	91	101.5	112	122.5	133	143.5	154	164.5	175	185.5	196	206.5	217	227.5
L2	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5	146	156.5	167	177.5	188	198.5	209	219.5

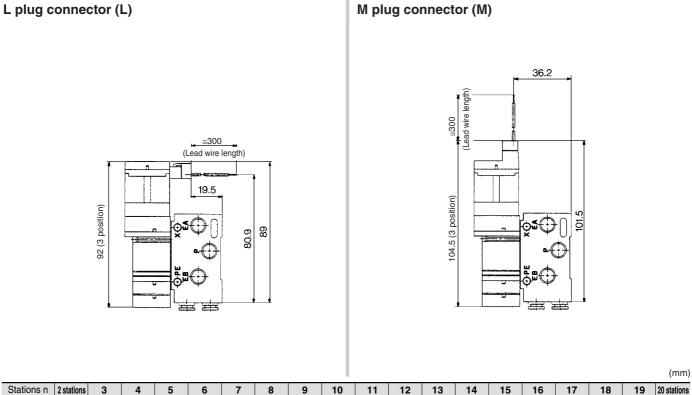
**SMC** 



# SX3000: SS5X3-42- Stations -C4/C6

#### Grommet (G)





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



SV

SZ

SY

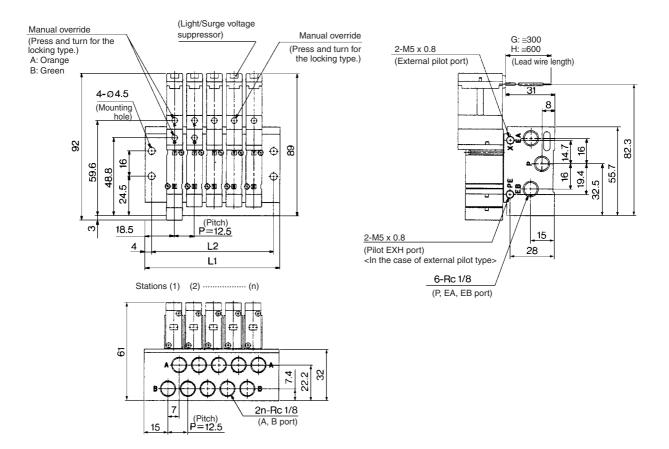
SYJ

SX



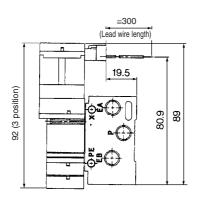
# SX3000: SS5X3-42- Stations -01

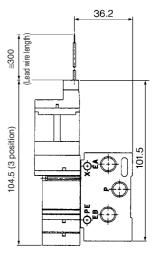
#### Grommet (G)



L plug connector (L)

M plug connector (M)





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

