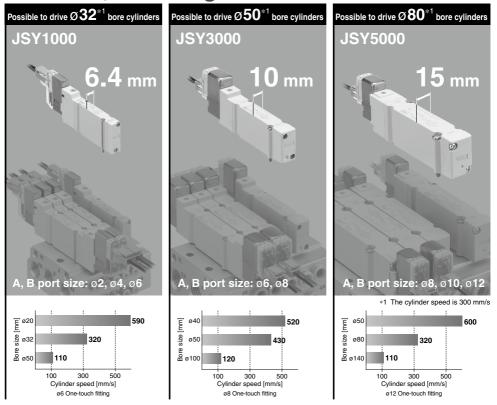
Compact 5-Port Solenoid Valve JSY1000/3000/5000 Series

Non Plug-in

Size reduction possible thanks to a flow increase This leads to space saving, weight reduction, and a large flow rate.

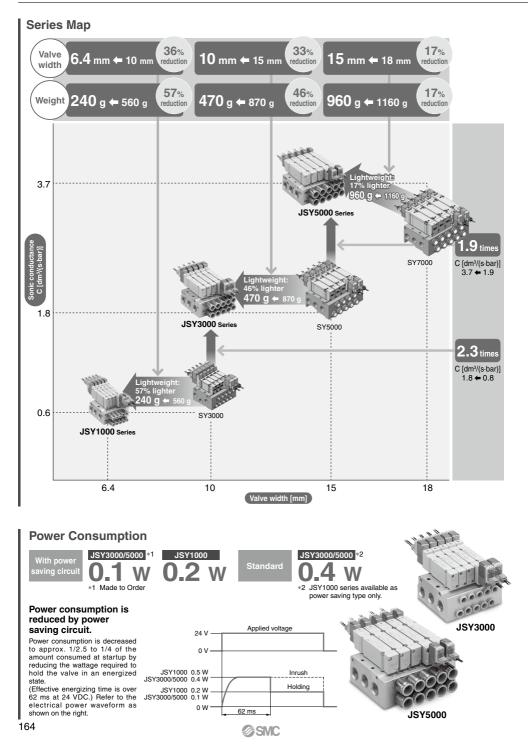


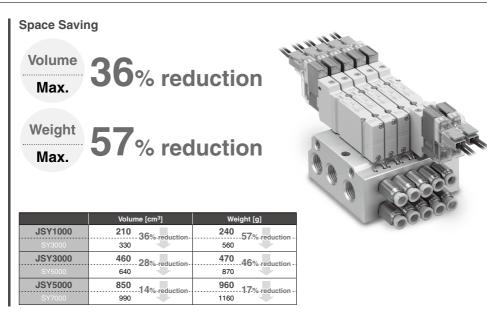
Refer to pages 168 to 171 for detailed conditions regarding the above cylinder speed.



(RoHS)

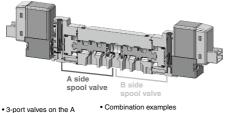
Non Plug-in Compact 5-Port Solenoid Valve JSY1000/3000/5000 Series





4-Position Dual 3-Port Valve Available

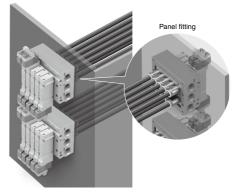
• Two 3-port valves built into one body

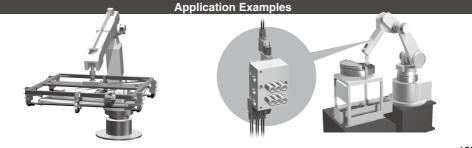


- 3-port valves on the A and B sides can operate independently.
- When used as a 3-port valve, only half the number of stations is required.
- Can also be used as a 4-position, 5-port valve

Combination examples									
A side	B side								
N.C. valve	N.C. valve								
N.O. valve	N.O. valve								
N.C. valve	N.O. valve								
	A side N.C. valve N.O. valve								







Series Variations

	on	Sonic con C [dm ³ /	(s·bar)]		je						Port s							lanifo Option				ptions 0		npliant		
	Piping direction	4/2− (A/B→E		Type of actuation	Type of actuation	Rated voltage	Th	ireac	l pipi		А, В	port One	e-tou	ch fit	ting		P, E		·	<u> </u>	n/Low becificatio	oressures	pressur	ing size	IP65 cor	
	Pipinę	4 (A), 2 (B) port			Rate	МЗ	M5	1/8	1/4	ø2	ø4	ø6	ø8	ø10	ø12	port	Blanking plate	Individual SUP spacer	Individual EXH space	Vacuum/Low pressure specification	Different pressur	Reverse pressure	Mixed fitting sizes	Enclosure IP65 compliant		
JSY 1000	Side		0.63	2-position single (A)4 2(B) (EA)5 13(EB) (P) 2-position double (A)4 2(B)																						
	Bottom	Ø6	0.75	(EA)513(EB) (P) 3-position closed center (A)4 2(B) (EA)513(EB) (EA)513(EB) (EA)513(EB)		•	•	_		•	•	•	_	_	_	1/8								_		
JSY 3000	Side		1.81	3-position exhaust center (A)4 2(B) (EA)5 13(EB) (P) 3-position pressure center																						
	Bottom	Ø8	2.13	center (A)4 2(B) 2 (P) (P) (P) (P) (P) (EA)513(EB) (P) (P) (P) (P) 4-position dual 3-port valve N.C. valve x 2 pcs. (P) (P)	(A)4 2(B) (EA)5 13(EB) (F) 4-position dual 3-port valve N.C. valve x 2 pcs.	(EA)513(EB) (P) 4-position dual 3-port valve	24 VDC	_	•	•	_	_	_	•	•	_	_	1/4	O p.201	О р.201	O p.201	A External pilot	O Individual SUP	A External pilot	•	*1
JSY 5000	n Side	ø12	3.72	4(A) 2(B) 725(A) 1(P) 3(EB) N.O. valve x 2 pcs. 4(A) 2(B) 75(EA) 1(P) 3(EB) 75(EA) 1(P) 3(EB) N.C. valve, N.O. valve 1 pc. of each	4(A) 2(B) 5(EA) 1(P) 3(EB) N.O. valve x 2 pcs. 4(A) 2(B) 2(B) 2(B) 2(B) 2(C) 2(B) 2(B) 0(C) 2(B) 2(B) 0(C) 2(B) 2(B)				•	•				•	•	•	3/8								•	
Cherd 1	Bottom		4.47	4(A) 2(B)																						

Standard Option A Made to Order (Refer to page 203.)

*1 When using M8 connector.

Manifold Options Individual EXH spacer p.201 Individual SUP spacer p.201 When the same manifold is used for different pressures, an individual SUP spacer is used as a supply port for different pressures. When valve exhaust affects other stations due to the circuit configuration, this spacer is used for individual valve exhaust. 2-position single valve 4(A) 2-position single valve **Del C** idual EXH spacer 1(P' 5(EA) 3(FB)

Circuit diagram (Mounting example of a 2-position single valve)

3/5(E')

5(EA)

3(EB)

SMC

Blanking plate p.201 Used when valve

additions are expected or for maintenance.





Tube Releasing Tool p.**199** This tool is used for removing the tube from port A and B. For JSY1000/3000 For JSY1000 ø4 ø12 For JSY5000

Individual SUP spacer as

Circuit diagram

(Mounting example of a 2-position single valve)

CONTENTS

Optimum Actuation Size Chart of Air Cylinder......p. 168

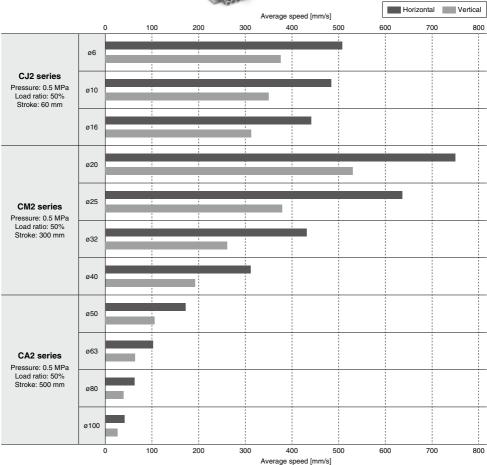
Valve Specifications (Specifications, Response Time, Weight)------p. 172

Valve Constructionp. 17	74
Valve Replacement Partsp. 17	75

		fold Plug-in Metal Base 40 Side Ported/Type 41 Bottom Portedp. 177
		Non Plug-in Metal Base (Specifications, Flow Rate Characteristics, Weight) p. 177
JSY1000 Side ported	JSY1000 Bottom ported	Dimensions/JSY1000: Type 40 Side Ported p. 180
Vicinia	Carlo	Dimensions/JSY1000: Type 41 Bottom Ported ····· p. 183
A Discourse	internet.	Dimensions/JSY3000: Type 40 Side Ported ····· p. 186
JSY3000 Side ported	JSY3000 Bottom ported	Dimensions/JSY3000: Type 41 Bottom Ported ······ p. 189
	and the second	Dimensions/JSY5000: Type 40 Side Ported ····· p. 192
JSY5000 Side ported	JSY5000 Bottom ported	Dimensions/JSY5000: Type 41 Bottom Ported p. 195
Manifold Exploded	d View	
One-touch Fittings	s, Clip, Port Plate	p, Tube Releasing Toolp. 199
Manifold Options		
Made to Order		p. 203
Specific Product F	Precautions	p. 204

For JSY1000, A, B port: ø4



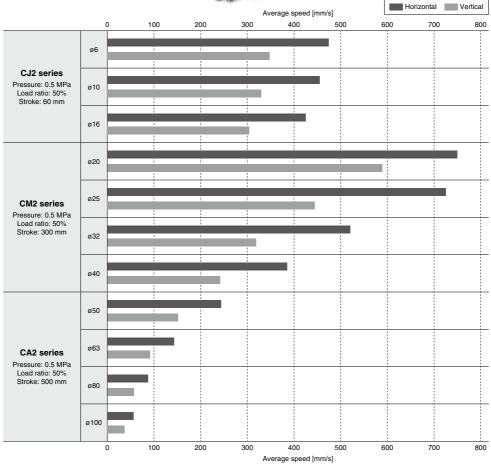


- The average speed of the cylinder is obtained by dividing the stroke by the total stroke time.
- * Formula for load ratio: Load ratio = ((Load mass x 9.8)/Theoretical output) x 100%
- Cylinder for horizontal use are based on the coefficient of rolling friction 0.1.
- * Operating piston speed is different depending on the applicable cylinder. Refer to the cylinder catalog for details.

Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open. * *

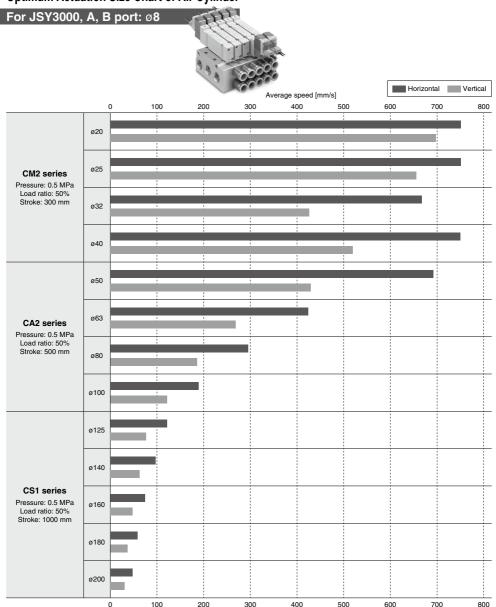
For JSY1000, A, B port: Ø6





- * The average speed of the cylinder is obtained by dividing the stroke by the total stroke time.
- * Formula for load ratio: Load ratio = ((Load mass x 9.8)/Theoretical output) x 100%
- * Cylinder for horizontal use are based on the coefficient of rolling friction 0.1
- * Operating piston speed is different depending on the applicable cylinder. Refer to the cylinder catalog for details.

^{*} Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.

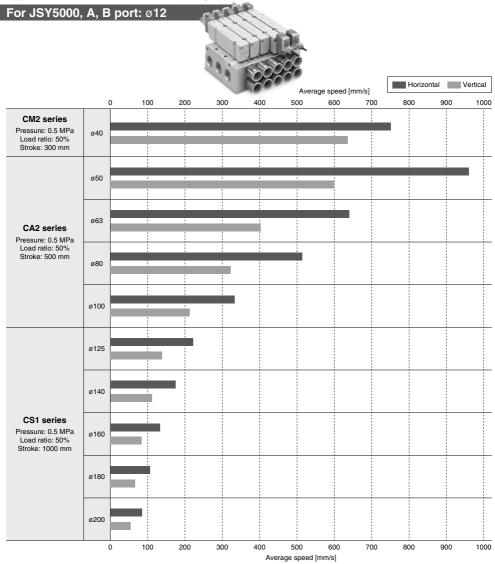


Average speed [mm/s]

- * Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.
 - The average speed of the cylinder is obtained by dividing the stroke by the total stroke time.
- * Formula for load ratio: Load ratio = ((Load mass x 9.8)/Theoretical output) x 100%
- * Cylinder for horizontal use are based on the coefficient of rolling friction 0.1.
- * Operating piston speed is different depending on the applicable cylinder. Refer to the cylinder catalog for details.



4



- * The average speed of the cylinder is obtained by dividing the stroke by the total stroke time.
- * Formula for load ratio: Load ratio = ((Load mass x 9.8)/Theoretical output) x 100%
- * Cylinder for horizontal use are based on the coefficient of rolling friction 0.1.
- * Operating piston speed is different depending on the applicable cylinder. Refer to the cylinder catalog for details.



^{*} Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.

JSY1000/3000/5000 Series Valve Specifications

Valve Specifications

		Valve type		Rubber seal				
Fluid		rane type		Air				
Internal pilot	2-p	osition single		0.15 to 0.7				
operating pressure	· ·	osition double		0.1 to 0.7				
range	<u> </u>	osition		0.2 to 0.7				
[MPa]		osition dual 3-p	ort valve	0.15 to 0.7				
External pilot	· ·	erating pressure		-100 kPa to 0.7				
operating pressure	<u> </u>		2-position single					
range [MPa]		ot pressure	2-position double	0.25 to 0.7				
(Made to Order)	ran	ige	3-position					
Ambient and fluid tem	perat	tures [°C]		-10 to 50 (No freezing)				
			2-position single/double					
	JS	Y1000/3000	4-position dual 3-port valve	5				
Max. operating			3-position	3				
frequency	JSY5000		2-position single/double	5				
[Hz]			4-position dual 3-port valve	3				
			3-position	3				
				Non-locking push type				
Manual override				Push-turn locking slotted type				
				Push-turn locking lever type				
	Inte	ernal pilot						
Pilot exhaust type	Ext	ternal pilot (Mad	e to Order)	Individual exhaust				
Lubrication				Not required				
Mounting orientation*	1			Unrestricted				
Impact/Vibration resis	tance	e*1 [m/s ²]		150/30				
Enclosure				IP40/IP65: M8 connector (W) (WA) type				
Electrical entry				L plug connector (L), M plug connector (M), M8 connector (W)(WA)				
Coil rated voltage [V]				24 VDC				
Allowable voltage flug			JSY1000	-7% to +10% of the rated voltage (24 VDC)				
Allowable voltage lluc	luali	on	JSY3000/5000	±10% of the rated voltage				
		Standard	JSY3000/5000	0.4				
Power consumption	DC	14/141 42	JSY1000	0.2*2 [Inrush 0.5, Holding 0.2]				
[W]		With power*3 saving circuit	JSY3000/5000	0.1*4 [Inrush 0.4, Holding 0.1]				
		J J J J J J J J J J	(Made to Order)					
Surge voltage suppre	ssor			Diode				
Indicator light				LED				

*1 Impact resistance: No malfunction occurred when it is tested in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period) Vibrother excitators. We refer used the analysis of a condition of a condition.

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period) Refer to page 209 for the fixation of DiN rail mounting type manifold.

*2 JSY1000 series available as power saving type only. Standard type (without power saving circuit) cannot be selected.

*3 M8 connector with power saving circuit are not available.

*4 For details, refer to page 207.

Valve Specifications JSY1000/3000/5000 Series

Response Time/Valve Weight

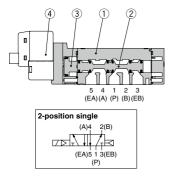
		·					
				Response time [ms] (at 0.5 MPa)*1	Weight [g]		
				Standard			
Series	Seal type	Model	Type of actuation	With light/surge voltage suppressor	L/M plug connector	W/WA M8 connector	
				Z type	plug connector		
		JSY1140T	2-position single	15	17		
JSY1000	Rubber seal	JSY1240T	2-position double	5	24		
3311000		JSY1(3/4/5)40T	3-position	13	25	—	
		JSY1(A/B/C)40T	4-position dual 3-port valve	14	24		
			JSY3140	2-position single	27	34	38
JSY3000		JSY3240	2-position double	10	49	57	
3513000		Hubbel Seal	Rubber seal	JSY3(3/4/5)40	3-position	30	52
		JSY3(A/B/C)40	4-position dual 3-port valve	27	48	56	
		JSY5140	2-position single	42	66	70	
JSY5000		JSY5240	2-position double	13	83	91	
JS ¥5000		JSY5(3/4/5)40	3-position	40	93	101	
		JSY5(A/B/C)40	4-position dual 3-port valve	41	80	88	

*1 Based on dynamic performance test, JIS B 8419-2010. (Coil temperature: 20°C, at rated voltage)

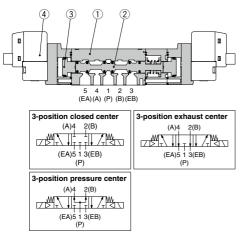
JSY1000/3000/5000 Series Valve Construction

Rubber Seal

2-position single



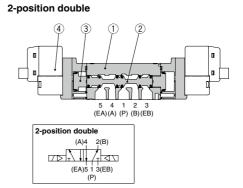
3-position closed center/exhaust center/pressure center



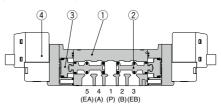
Component Parts

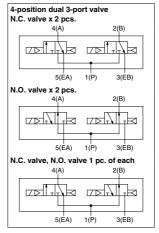
No.	Description	Material
1	Body	Aluminum die-casted
2	Spool valve	Aluminum/HNBR (4-position solenoid valve:) Resin/HNBR
3	Piston	Resin
4	Pilot valve assembly	_
474		

SMC



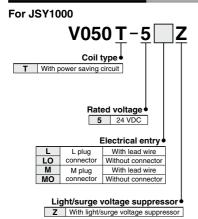
4-position dual 3-port valve





JSY1000/3000/5000 Series Valve Replacement Parts

How to Order Pilot Valves



How to replace pilot valves

* Clip is not included in the pilot valve.

▲Caution

Removal

- Remove the clip from the adapter plate by using a flat head screwdriver on the concave of the clip.
- Remove the pilot valve in the direction of the arrow. (Remove also the gasket together.)

Mounting

- 1) Mount the pilot valve on the adapter plate.
- Insert the clip into the adapter plate so that the clip will not protrude from the end of the adapter plate.
- *1 Confirm that the gasket is mounted on the pilot valve.

For JSY3000/5000

	Coil type
Nil	Standard
т	With power saving circuit (Made to Order)
. Deurer	anving airevit is not available

1/111

 Power saving circuit is not available in the case of W⁻ or WA⁻ type.

```
  S
  24 VDC
```

5

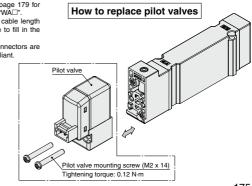
1	Light	/surge voltage suppressor
	-	AAPAL P. L.I. I.

Z With light/surge voltage suppressor

Electrical entry

L	L plug	With lead wire
LO	connector	Without connector
М	M plug	With lead wire
мо	connector	Without connector
wo	M8	Without connector cable
W	connector	With connector cable
WAO	M8	Without connector cable
WA	connector	With connector cable

- Refer to "Electrical entry" on page 179 for details on options "WAO" and "WAD".
- ∗ For W□ and WA□, enter the cable length symbols in □. Please be sure to fill in the blank referring to page 206.
- * The "WAO" and "WAD" M8 connectors are IEC 60947-5-2 standard compliant.



JSY1000/3000/5000 Series Type 40, 41 Non Plug-in Metal Base

Manifold Specifications

Manifold type			Non plug-in metal base
SUP/EXH port type			Common SUP/EXH
Valve stations			2 to 20 stations
		JSY1000	1/8
	1(P), 3/5(E) port	JSY3000	1/4
		JSY5000	3/8
Port size		JSY1000	M3 x 0.5, M5 x 0.8 ø2 One-touch fitting, ø4 One-touch fitting, ø6 One-touch fitting
	4(A), 2(B) port	JSY3000	M5 x 0.8, 1/8 ø6 One-touch fitting, ø8 One-touch fitting
		JSY5000	1/8, 1/4 ø8 One-touch fitting, ø10 One-touch fitting, ø12 One-touch fitting

Manifold Flow Rate Characteristics/Manifold Weight

	Port	size	Va	lve flow rate	Weight: W [g]*1				
Model	1, 5, 3 4, 2		$1 \rightarrow 4/2 (P -$	→ A/B)	$4/2 \rightarrow 5/3$ (A/I	3 → E)	(n: stations)		
	(P, EA, EB)	(A, B)	C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b	Fixed: C	Replaceable: KC	
JJ5SY1-40 (Side ported)	1/8	KC6	0.62	0.34	0.63	0.28	20.1n + 38	30.5n + 35	
JJ5SY1-41 (Bottom ported)	1/8	KC6	0.74	0.46	0.75	0.36	20.8n + 38	33.8n + 35	
JJ5SY3-40 (Side ported)	1/4	KC8	1.86	0.36	1.81	0.27	38.0n + 84	54.4n + 86	
JJ5SY3-41 (Bottom ported)	1/4	KC8	2.31	0.43	2.13	0.31	41.2n + 84	59.6n + 80	
JJ5SY5-40 (Side ported)	3/8	KC12	3.61	0.30	3.72	0.18	90.1n + 148	121.5n + 144	
JJ5SY5-41 (Bottom ported)	3/8	KC12	4.28	0.40	4.47	0.25	95.8n + 133	140.1n + 122	

*1 Weight: W is the value of the internal pilot, and maximum manifold size with tube fitting type. Valve is not included. To obtain the weight with valves attached, add the valve weights given on page 173 for the appropriate number of stations.

* Calculation of effective area S and sonic conductance C: S = $5.0 \times C$

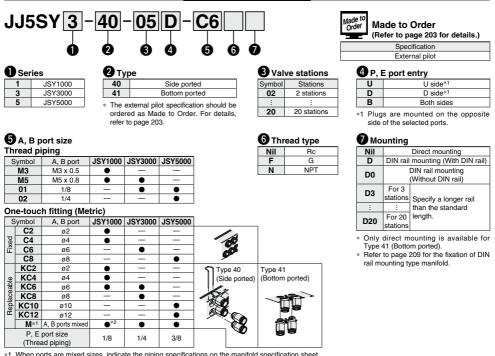
* The value is for manifold base with 5 stations and individually operated 2-position type.

* Bottom port is available only for 4, 2 (A, B) port.



Internal Pilot

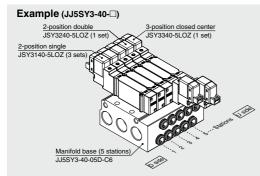
How to Order Manifolds



*1 When ports are mixed sizes, indicate the piping specifications on the manifold specification sheet

*2 In case of replacement of JSY1000 One-touch fitting, A and B port can only be mixed on the manifold base for KC2 and KC4.

How to Order Manifold Assembly

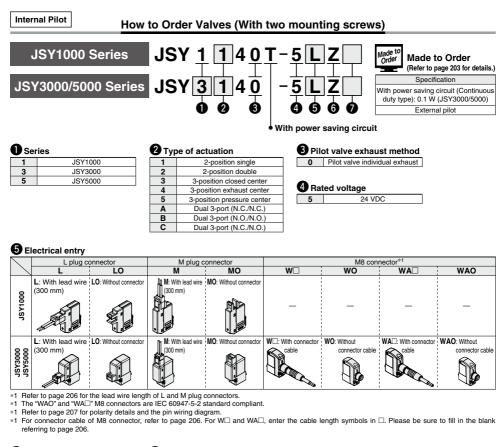


JJ5SY3-40-05D-C6-1 set (Type 40 5-station manifold base part	
no.)	

- * JSY3140-5LOZ3 sets (2-position single part no.)
- * JSY3240-5LOZ1 set (2-position double part no.)
- * JSY3340-5LOZ--.....1 set (3-position closed center part no.)

The asterisk denotes the symbol for the assembly. Prefix it to the part numbers of the valve, etc.

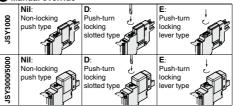
The valve arrangement is numbered as the 1st station from the D side. Under the manifold part number, state the valves to be mounted in order from the 1st station as shown in the figure. If the arrangement becomes complicated, specify on a manifold specification sheet.



6 Light/surge voltage

Jup	picaaoi
7	With light/surge voltage
-	suppressor

Manual override

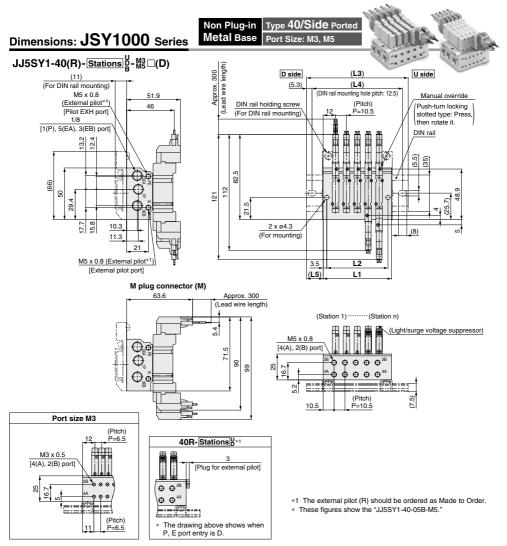


When ordering a valve individually, the base gasket is not included. Since the base gasket is attached to the manifold, please order the base gasket separately if it is needed for maintenance service. Refer to page 198 for base gasket and mounting screw part numbers.

Caution

If the JSY3000/5000 series will be continuously energized, please be sure to use the power saving circuit (continuous duty type). Refer to Made to Order on page 203. Additionally, when it is used at the energizing rate over 50%, please select the product with power saving circuit.

For the JSY1000 series only the power saving circuit is available.



L Dimensions: Port Size M5

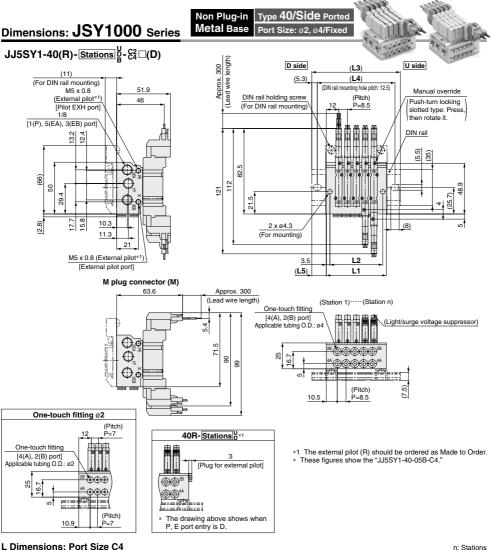
																			otations
L_n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L2	27.5	38.0	48.5	59.0	69.5	80.0	90.5	101.0	111.5	122.0	132.5	143.0	153.5	164.0	174.5	185.0	195.5	206.0	216.5
L3	60.5	73.0	85.5	98.0	110.5	123.0	123.0	135.5	148.0	160.5	173.0	185.5	198.0	198.0	210.5	223.0	235.5	248.0	260.5
L4	50.0	62.5	75.0	87.5	100.0	112.5	112.5	125.0	137.5	150.0	162.5	175.0	187.5	187.5	200.0	212.5	225.0	237.5	250.0
L5	13.0	14.0	15.0	16.0	17.0	18.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	13.5	14.5	15.5	16.5	17.5	18.5

n: Stations

L Dimensions: Port Size M3

L Dime	ensior	ns: Po	ort Siz	e M3														n: \$	Stations
L_r	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	30.5	37.0	43.5	50.0	56.5	63.0	69.5	76.0	82.5	89.0	95.5	102.0	108.5	115.0	121.5	128.0	134.5	141.0	147.5
L2	23.5	30.0	36.5	43.0	49.5	56.0	62.5	69.0	75.5	82.0	88.5	95.0	101.5	108.0	114.5	121.0	127.5	134.0	140.5
L3	60.5	73.0	73.0	85.5	85.5	98.0	98.0	110.5	110.5	123.0	123.0	135.5	135.5	148.0	148.0	160.5	160.5	173.0	173.0
L4	50.0	62.5	62.5	75.0	75.0	87.5	87.5	100.0	100.0	112.5	112.5	125.0	125.0	137.5	137.5	150.0	150.0	162.5	162.5
L5	15.0	18.0	15.0	18.0	14.5	17.5	14.5	17.5	14.0	17.0	14.0	17.0	13.5	16.5	13.5	16.5	13.0	16.0	13.0
100																			

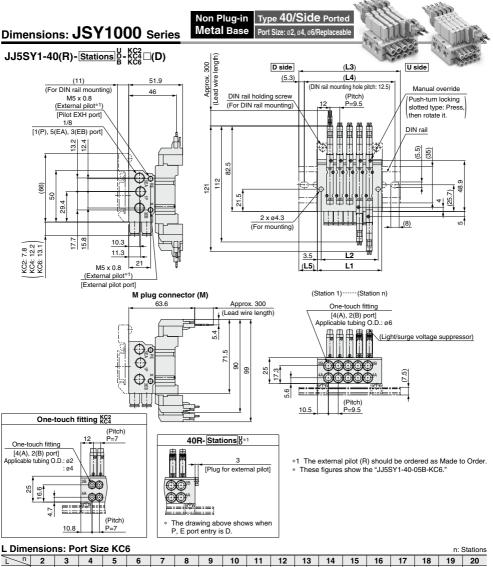
SMC



																			oluliono
L_^	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	32.5	41.0	49.5	58.0	66.5	75.0	83.5	92.0	100.5	109.0	117.5	126.0	134.5	143.0	151.5	160.0	168.5	177.0	185.5
L2	25.5	34.0	42.5	51.0	59.5	68.0	76.5	85.0	93.5	102.0	110.5	119.0	127.5	136.0	144.5	153.0	161.5	170.0	178.5
L3	60.5	73.0	85.5	85.5	98.0	110.5	110.5	123.0	135.5	135.5	148.0	160.5	160.5	173.0	185.5	185.5	198.0	210.5	223.0
L4	50.0	62.5	75.0	75.0	87.5	100.0	100.0	112.5	125.0	125.0	137.5	150.0	150.0	162.5	175.0	175.0	187.5	200.0	212.5
L5	14.0	16.0	18.0	14.0	16.0	18.0	13.5	15.5	17.5	13.5	15.5	17.5	13.0	15.0	17.0	13.0	15.0	17.0	19.0

L Dimensions: Port Size C2

L Dime	ensior	ns: Po	ort Siz	e C2														n: \$	Stations
)_ L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0	157.0
L2	24.0	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0
L3	60.5	73.0	73.0	85.5	85.5	98.0	110.5	110.5	123.0	123.0	135.5	135.5	148.0	148.0	160.5	173.0	173.0	185.5	185.5
L4	50.0	62.5	62.5	75.0	75.0	87.5	100.0	100.0	112.5	112.5	125.0	125.0	137.5	137.5	150.0	162.5	162.5	175.0	175.0
L5	15.0	17.5	14.0	17.0	13.5	16.0	19.0	15.5	18.0	14.5	17.5	14.0	16.5	13.0	16.0	18.5	15.0	18.0	14.5
																			101



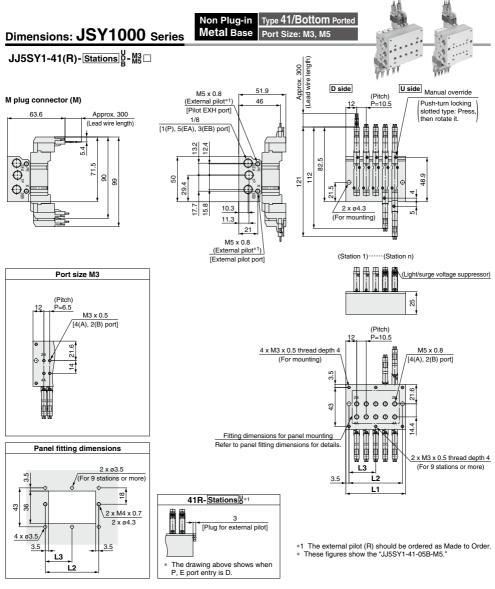
L_n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	33.5	43.0	52.5	62.0	71.5	81.0	90.5	100.0	109.5	119.0	128.5	138.0	147.5	157.0	166.5	176.0	185.5	195.0	204.5
L2	26.5	36.0	45.5	55.0	64.5	74.0	83.5	93.0	102.5	112.0	121.5	131.0	140.5	150.0	159.5	169.0	178.5	188.0	197.5
L3	60.5	73.0	85.5	98.0	98.0	110.5	123.0	135.5	135.5	148.0	160.5	173.0	173.0	185.5	198.0	210.5	223.0	223.0	235.5
L4	50.0	62.5	75.0	87.5	87.5	100.0	112.5	125.0	125.0	137.5	150.0	162.5	162.5	175.0	187.5	200.0	212.5	212.5	225.0
L5	13.5	15.0	16.5	18.0	13.5	15.0	16.5	18.0	13.0	14.5	16.0	17.5	13.0	14.5	16.0	17.5	19.0	14.0	15.5

L Dimensions: Port Sizes KC2, KC4

L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0	157.0
L2	24.0	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0
L3	60.5	73.0	73.0	85.5	85.5	98.0	110.5	110.5	123.0	123.0	135.5	135.5	148.0	148.0	160.5	173.0	173.0	185.5	185.5
L4	50.0	62.5	62.5	75.0	75.0	87.5	100.0	100.0	112.5	112.5	125.0	125.0	137.5	137.5	150.0	162.5	162.5	175.0	175.0
L5	15.0	17.5	14.0	17.0	13.5	16.0	19.0	15.5	18.0	14.5	17.5	14.0	16.5	13.0	16.0	18.5	15.0	18.0	14.5

SMC

n: Stations

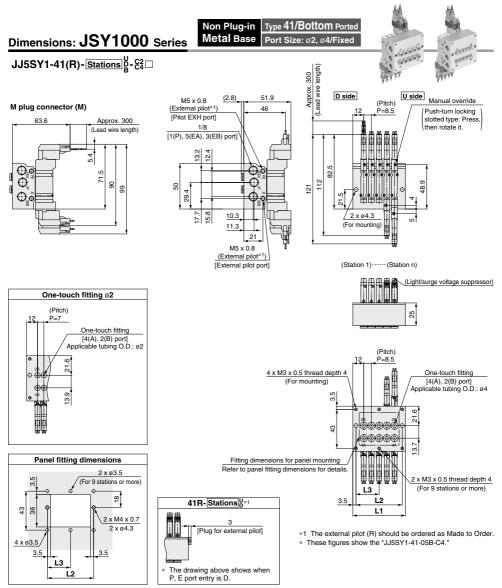


L Dime	ensior	ns: Po	ort Siz	e M5														n: \$	Stations
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L2	27.5	38.0	48.5	59.0	69.5	80.0	90.5	101.0	111.5	122.0	132.5	143.0	153.5	164.0	174.5	185.0	195.5	206.0	216.5
L3	-	-	-	-	-	-	-	50.5	55.8	61.0	66.3	71.5	76.8	82.0	87.3	92.5	97.8	103.0	108.3

L Dimensions: Port Size M3

																			Junions
L_r	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	30.5	37.0	43.5	50.0	56.5	63.0	69.5	76.0	82.5	89.0	95.5	102.0	108.5	115.0	121.5	128.0	134.5	141.0	147.5
L2	23.5	30.0	36.5	43.0	49.5	56.0	62.5	69.0	75.5	82.0	88.5	95.0	101.5	108.0	114.5	121.0	127.5	134.0	140.5
L3	-	-	-	-	-	-	-	34.5	37.8	41.0	44.3	47.5	50.8	54.0	57.3	60.5	63.8	67.0	70.3

n: Stations



L Dimensions: Port Size C4

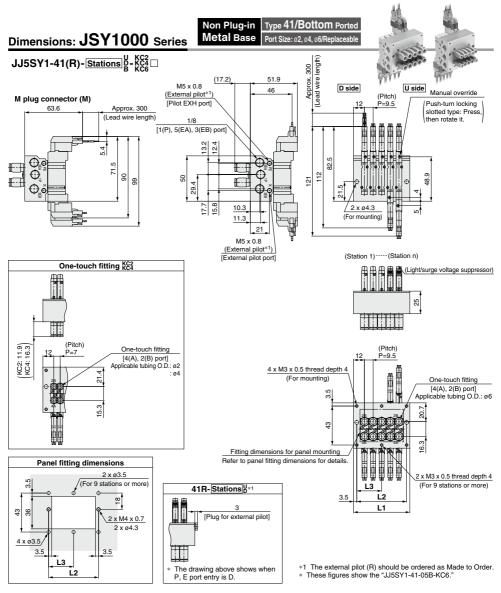
L Dime	ensior	ns: Po	ort Siz	e C4														n: \$	Stations
)_ _	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	32.5	41.0	49.5	58.0	66.5	75.0	83.5	92.0	100.5	109.0	117.5	126.0	134.5	143.0	151.5	160.0	168.5	177.0	185.5
L2	25.5	34.0	42.5	51.0	59.5	68.0	76.5	85.0	93.5	102.0	110.5	119.0	127.5	136.0	144.5	153.0	161.5	170.0	178.5
L3	-	-	-	-	-	-	-	42.5	46.8	51.0	55.3	59.5	63.8	68.0	72.3	76.5	80.8	85.0	89.3

L Dimensions: Port Size C2

	110101	13.1 0																	Jianons
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0	157.0
L2	24.0	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0
L3	-	-	-	-	-	-	-	36.5	40.0	43.5	47.0	50.5	54.0	57.5	61.0	64.5	68.0	71.5	75.0
184									60										

SMC

n: Stationa



L Dimensions: Port Size KC6

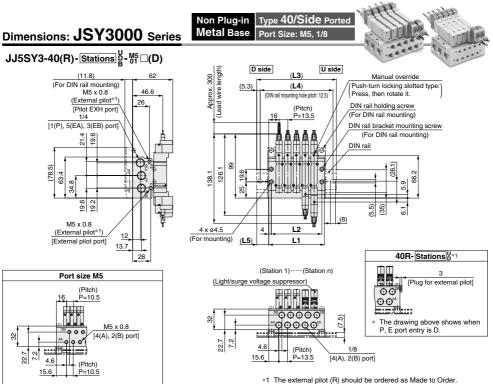
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	33.5	43.0	52.5	62.0	71.5	81.0	90.5	100.0	109.5	119.0	128.5	138.0	147.5	157.0	166.5	176.0	185.5	195.0	204.5
L2	26.5	36.0	45.5	55.0	64.5	74.0	83.5	93.0	102.5	112.0	121.5	131.0	140.5	150.0	159.5	169.0	178.5	188.0	197.5
L3	-	—	—	—	-	-	-	46.5	51.3	56.0	60.8	65.5	70.3	75.0	79.8	84.5	89.3	94.0	98.8

L Dimensions: Port Sizes KC2, KC4

					<i>-</i> ,														otations
L_r	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0	157.0
L2	24.0	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	94.0	101.0	108.0	115.0	122.0	129.0	136.0	143.0	150.0
L3	—	-	-	—	—	—	—	36.5	40.0	43.5	47.0	50.5	54.0	57.5	61.0	64.5	68.0	71.5	75.0

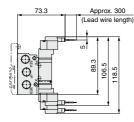
n. Stations

n: Stations

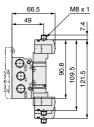


The external pilot (R) should be ordered as Made to 0
 These figures show the "JJ5SY3-40-05-01."

M plug connector (M)



M8 connector (W, WA)



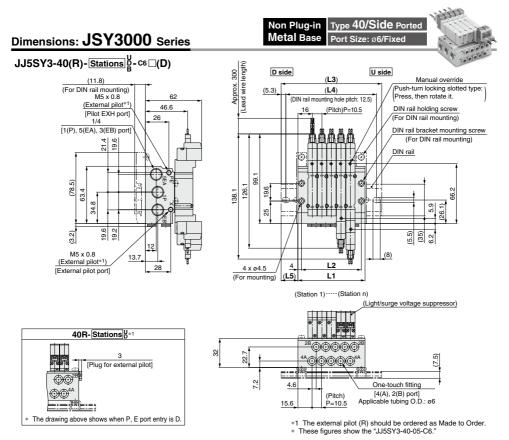
n: Stations

L Dime	ensior	ns: Po	ort Siz	e 01 ((1/8)													n: \$	Stations
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	45.5	59.0	72.5	86.0	99.5	113.0	126.5	140.0	153.5	167.0	180.5	194.0	207.5	221.0	234.5	248.0	261.5	275.0	288.5
L2	37.5	51.0	64.5	78.0	91.5	105.0	118.5	132.0	145.5	159.0	172.5	186.0	199.5	213.0	226.5	240.0	253.5	267.0	280.5
L3	73.0	85.5	110.5	123.0	135.5	148.0	160.5	173.0	185.5	198.0	210.5	223.0	235.5	248.0	273.0	285.5	298.0	310.5	323.0
L4	62.5	75.0	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	200.0	212.5	225.0	237.5	262.5	275.0	287.5	300.0	312.5
L5	14.0	13.5	19.0	18.5	18.0	17.5	17.0	16.5	16.0	15.5	15.0	14.5	14.0	13.5	19.5	19.0	18.5	18.0	17.5

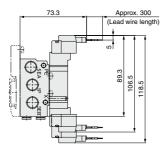
L Dimensions: Port Size M5

ľ_	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L3	73.0	85.5	98.0	110.5	123.0	123.0	135.5	148.0	160.5	173.0	185.5	185.5	198.0	210.5	223.0	235.5	248.0	248.0	260.5
L4	62.5	75.0	87.5	100.0	112.5	112.5	125.0	137.5	150.0	162.5	175.0	175.0	187.5	200.0	212.5	225.0	237.5	237.5	250.0
L5	15.5	16.5	17.5	18.5	19.5	14.0	15.0	16.0	17.0	18.0	19.0	14.0	15.0	16.0	17.0	18.0	19.0	13.5	14.5
-																			

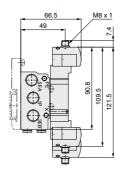




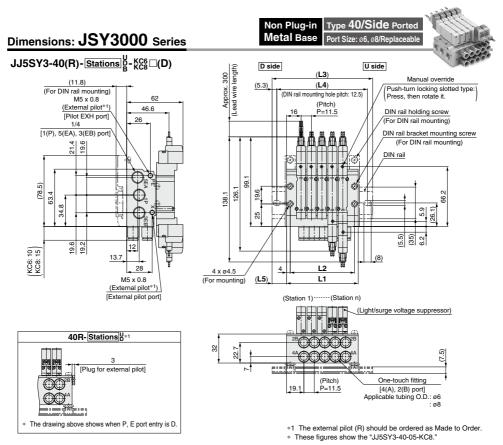
M plug connector (M)



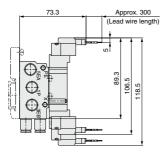
M8 connector (W, WA)



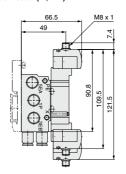
L Dime	ensior	ns: Po	ort Siz	e C6														n: \$	Stations
) L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L3	73.0	85.5	98.0	110.5	123.0	123.0	135.5	148.0	160.5	173.0	185.5	185.5	198.0	210.5	223.0	235.5	248.0	248.0	260.5
L4	62.5	75.0	87.5	100.0	112.5	112.5	125.0	137.5	150.0	162.5	175.0	175.0	187.5	200.0	212.5	225.0	237.5	237.5	250.0
L5	15.5	16.5	17.5	18.5	19.5	14.0	15.0	16.0	17.0	18.0	19.0	14.0	15.0	16.0	17.0	18.0	19.0	13.5	14.5



M plug connector (M)



M8 connector (W, WA)

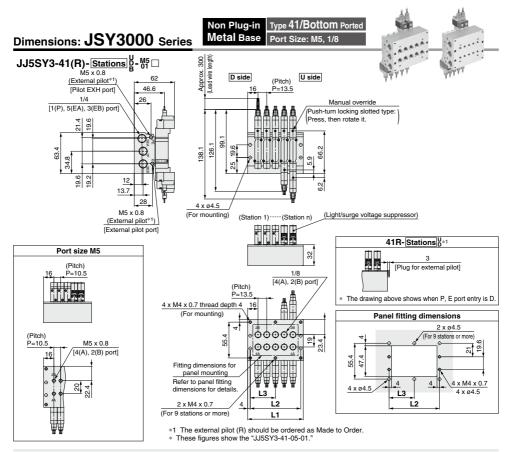


n: Stations

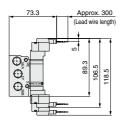
L Dimensions: Port Sizes KC6, KC8 n 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

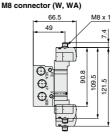
	L 🔨	~	5	-	5	0		0	3	10		14	10	17	15	10		10	13	20
	L1	44.5	56.0	67.5	79.0	90.5	102.0	113.5	125.0	136.5	148.0	159.5	171.0	182.5	194.0	205.5	217.0	228.5	240.0	251.5
1	L2	36.5	48.0	59.5	71.0	82.5	94.0	105.5	117.0	128.5	140.0	151.5	163.0	174.5	186.0	197.5	209.0	220.5	232.0	243.5
	L3	73.0	85.5	98.0	110.5	123.0	135.5	148.0	160.5	173.0	185.5	198.0	198.0	210.5	223.0	235.5	248.0	260.5	273.0	285.5
1	L4	62.5	75.0	87.5	100.0	112.5	125.0	137.5	150.0	162.5	175.0	187.5	187.5	200.0	212.5	225.0	237.5	250.0	262.5	275.0
	L5	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0





M plug connector (M)





L Dimensions: Port Size 01 (1/8)

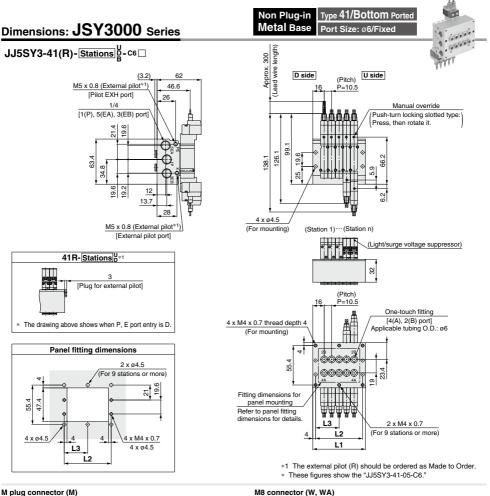
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	45.5	59.0	72.5	86.0	99.5	113.0	126.5	140.0	153.5	167.0	180.5	194.0	207.5	221.0	234.5	248.0	261.5	275.0	288.5
L2	37.5	51.0	64.5	78.0	91.5	105.0	118.5	132.0	145.5	159.0	172.5	186.0	199.5	213.0	226.5	240.0	253.5	267.0	280.5
L3	-	-	-	—	—	-	—	66.0	72.8	79.5	86.3	93.0	99.8	106.5	113.3	120.0	126.8	133.5	140.3

L Dimensions: Port Size M5

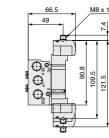
																			otations
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L3	-	-	—	-	-	—	—	54.0	59.3	64.5	69.8	75.0	80.3	85.5	90.8	96.0	101.3	106.5	111.8

n. Stations

n: Stations



M8 connector (W, WA)



n: Stationa

L Dimensions: Port Size C6

73.3

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Approx. 300

(Lead wire length)

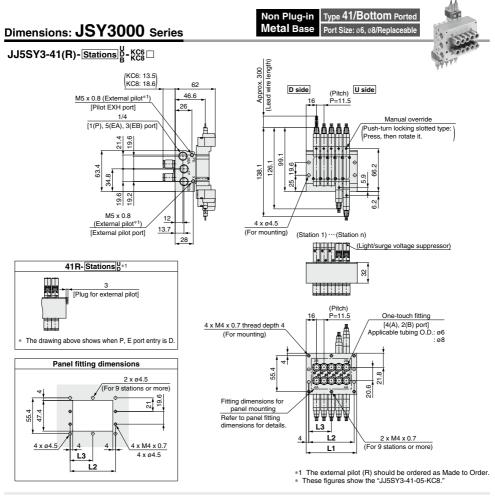
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89.3

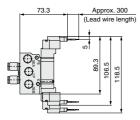
106.5 118.5

	chaioi	15. FC	JI U 312	.e 00														11.3	Stations
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L3	-	—	—	—	—	—	-	54.0	59.3	64.5	69.8	75.0	80.3	85.5	90.8	96.0	101.3	106.5	111.8

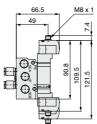
SMC



M plug connector (M)



M8 connector (W, WA)

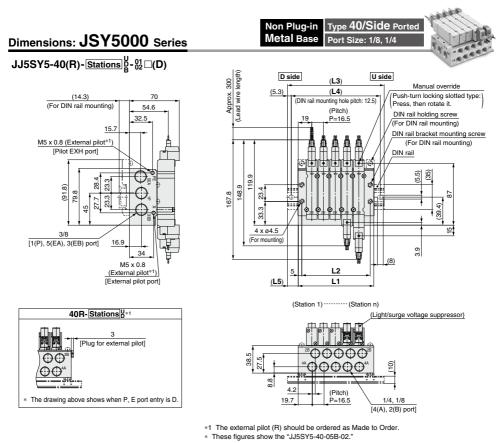


L Dimensions: Port Sizes KC6, KC8

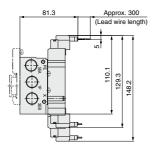
	chaloi	15. г с	JI U 312	es nu	50, RU													n. (Stations
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	43.5	55.0	66.5	78.0	89.5	101.0	112.5	124.0	135.5	147.0	158.5	170.0	181.5	193.0	204.5	216.0	227.5	239.0	250.5
L2	35.5	47.0	58.5	70.0	81.5	93.0	104.5	116.0	127.5	139.0	150.5	162.0	173.5	185.0	196.5	208.0	219.5	231.0	242.5
L3	-	-	-	-	-	-	-	58.0	63.8	69.5	75.3	81.0	86.8	92.5	98.3	104.0	109.8	115.5	121.3



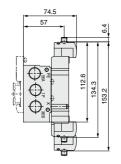
n: Stationa



M plug connector (M)

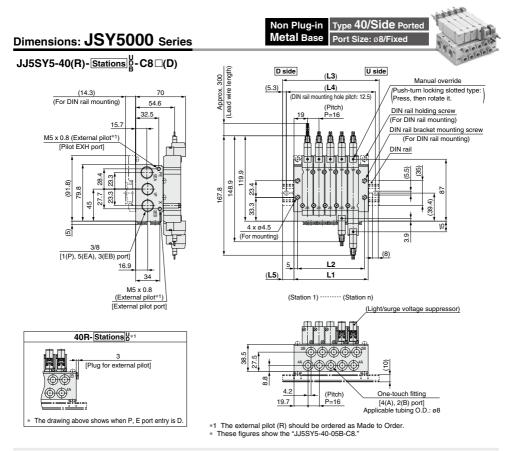


M8 connector (W, WA)

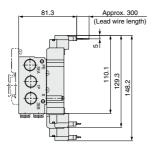


L Dimensions: Port Sizes 01 (1/8), 02 (1/4)

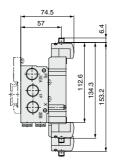
L Dime	ensior	ns: Po	ort Siz	es 01	(1/8)	, 02 (1	/4)											n: \$	Stations
ľ_	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	56.5	73.0	89.5	106.0	122.5	139.0	155.5	172.0	188.5	205.0	221.5	238.0	254.5	271.0	287.5	304.0	320.5	337.0	353.5
L2	46.5	63.0	79.5	96.0	112.5	129.0	145.5	162.0	178.5	195.0	211.5	228.0	244.5	261.0	277.5	294.0	310.5	327.0	343.5
L3	85.5	98.0	123.0	135.5	148.0	173.0	185.5	198.0	223.0	235.5	248.0	273.0	285.5	298.0	323.0	335.5	348.0	373.0	385.5
L4	75.0	87.5	112.5	125.0	137.5	162.5	175.0	187.5	212.5	225.0	237.5	262.5	275.0	287.5	312.5	325.0	337.5	362.5	375.0
L5	14.5	12.5	17.0	15.0	13.0	17.0	15.0	13.0	17.5	15.5	13.5	17.5	15.5	13.5	18.0	16.0	14.0	18.0	16.0
192									Cac.										



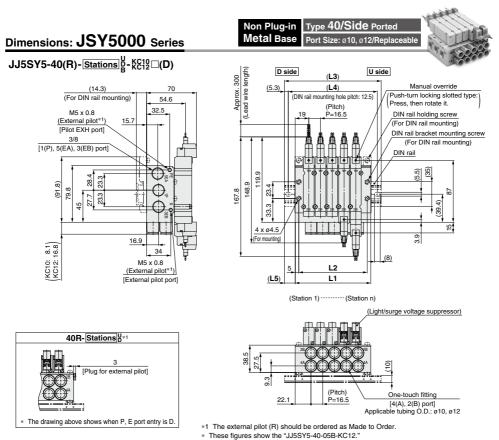
M plug connector (M)



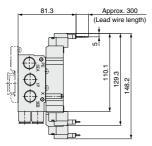
M8 connector (W, WA)



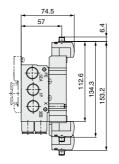
L Dime	ensioi	is: Po	ort Siz	ze C8														n: \$	Stations
7/	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	56.0	72.0	88.0	104.0	120.0	136.0	152.0	168.0	184.0	200.0	216.0	232.0	248.0	264.0	280.0	296.0	312.0	328.0	344.0
L2	46.0	62.0	78.0	94.0	110.0	126.0	142.0	158.0	174.0	190.0	206.0	222.0	238.0	254.0	270.0	286.0	302.0	318.0	334.0
L3	85.5	98.0	123.0	135.5	148.0	160.5	185.5	198.0	210.5	223.0	248.0	260.5	273.0	298.0	310.5	323.0	348.0	360.5	373.0
L4	75.0	87.5	112.5	125.0	137.5	150.0	175.0	187.5	200.0	212.5	237.5	250.0	262.5	287.5	300.0	312.5	337.5	350.0	362.5
L5	15.0	13.0	17.5	16.0	14.0	12.5	17.0	15.0	13.5	11.5	16.0	14.5	12.5	17.0	15.5	13.5	18.0	16.5	14.5



M plug connector (M)

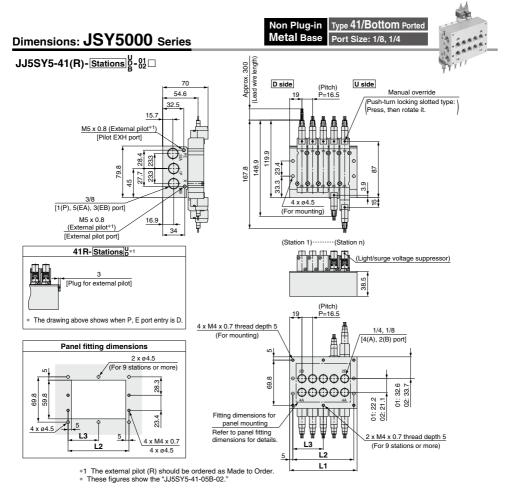


M8 connector (W, WA)

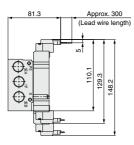


L Dime	Dimensions: Port Sizes KC10, KC12 n: Stations																		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	56.5	73.0	89.5	106.0	122.5	139.0	155.5	172.0	188.5	205.0	221.5	238.0	254.5	271.0	287.5	304.0	320.5	337.0	353.5
L2	46.5	63.0	79.5	96.0	112.5	129.0	145.5	162.0	178.5	195.0	211.5	228.0	244.5	261.0	277.5	294.0	310.5	327.0	343.5
L3	85.5	98.0	123.0	135.5	148.0	173.0	185.5	198.0	223.0	235.5	248.0	273.0	285.5	298.0	323.0	335.5	348.0	373.0	385.5
L4	75.0	87.5	112.5	125.0	137.5	162.5	175.0	187.5	212.5	225.0	237.5	262.5	275.0	287.5	312.5	325.0	337.5	362.5	375.0
L5	14.5	12.5	17.0	15.0	13.0	17.0	15.0	13.0	17.5	15.5	13.5	17.5	15.5	13.5	18.0	16.0	14.0	18.0	16.0

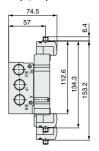




M plug connector (M)

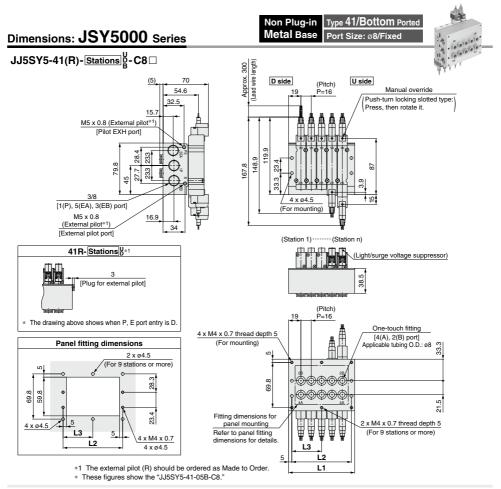


M8 connector (W, WA)

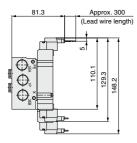


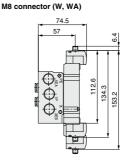
L Dimensions: Port Sizes 01 (1/8), 02 (1/4)

L Dime	. Dimensions: Port Sizes 01 (1/8), 02 (1/4) n: Stations														Stations				
L_n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	54.5	71.0	87.5	104.0	120.5	137.0	153.5	170.0	186.5	203.0	219.5	236.0	252.5	269.0	285.5	302.0	318.5	335.0	351.5
L2	44.5	61.0	77.5	94.0	110.5	127.0	143.5	160.0	176.5	193.0	209.5	226.0	242.5	259.0	275.5	292.0	308.5	325.0	341.5
L3	—	-	—	—	—	—	—	80.0	88.3	96.5	104.8	113.0	121.3	129.5	137.8	146.0	154.3	162.5	170.8



M plug connector (M)



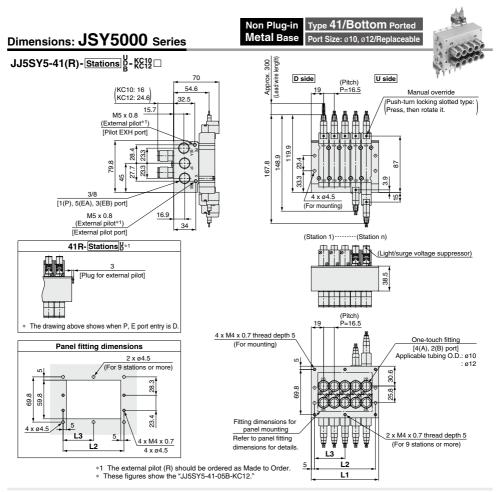


n: Stationa

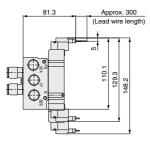
L Dimensions: Port Size C8

/	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	54.0	70.0	86.0	102.0	118.0	134.0	150.0	166.0	182.0	198.0	214.0	230.0	246.0	262.0	278.0	294.0	310.0	326.0	342.0
L2	44.0	60.0	76.0	92.0	108.0	124.0	140.0	156.0	172.0	188.0	204.0	220.0	236.0	252.0	268.0	284.0	300.0	316.0	332.0
L3	—	-	—	—	—	—	—	78.0	86.0	94.0	102.0	110.0	118.0	126.0	134.0	142.0	150.0	158.0	166.0

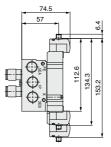




M plug connector (M)



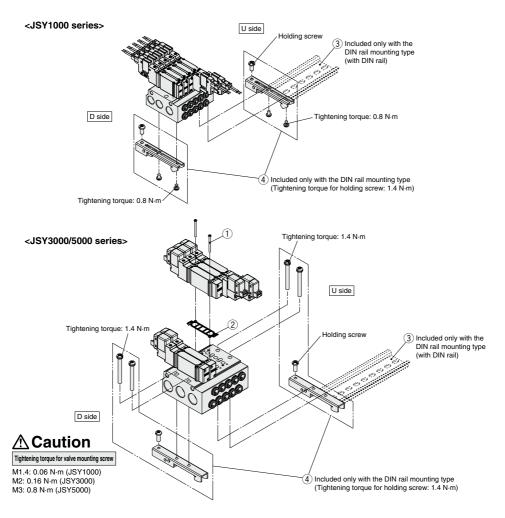
M8 connector (W, WA)



L Dimensions: Port Sizes KC10 KC12

L Dime	. Dimensions: Port Sizes KC10, KC12 n: Stations																		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	54.5	71.0	87.5	104.0	120.5	137.0	153.5	170.0	186.5	203.0	219.5	236.0	252.5	269.0	285.5	302.0	318.5	335.0	351.5
L2	44.5	61.0	77.5	94.0	110.5	127.0	143.5	160.0	176.5	193.0	209.5	226.0	242.5	259.0	275.5	292.0	308.5	325.0	341.5
L3	-	—	-	-	—	-	—	80.0	88.3	96.5	104.8	113.0	121.3	129.5	137.8	146.0	154.3	162.5	170.8

JSY1000/3000/5000 Series Type 40, 41 Non Plug-in Metal Base Manifold Exploded View



Manifold Parts Nos.

No.	Description		Part number	Note				
NO.	Description	JSY1000	JSY3000	JSY5000	Note			
1	Valve mounting screw	e mounting screw JSY11V-23-1A (M1.4 x 21.5) (M2		JSY51V-23-4A (M3 x 27)	Part numbers shown on the left are for 10 valves. (20 pcs.)			
2	Base gasket	JSY11M-11-1A	JSY31M-11-1A	JSY51M-11-1A	Part numbers shown on the left are for 10 valves. (10 pcs			
3	DIN rail	VZ1000-11-1-□	VZ1000-11-1-□	VZ1000-11-4-□	Refer to page 200.			
(4)	Clamp bracket	JSY11M-15-1A	JSY31M-15-1A	JSY51M-15-1A	Part numbers shown on the left are for one manifold. (2 sets of clamp brackets)			



One-touch Fittings, Clip, Port Plate, Tube Releasing Tool Refer to "How to Replace One-touch Fittings" on page 208 for the replacement method.

One-touch Fittings

Port size		JSY1000	JSY3000	JSY5000	Note
	ø2	KQSY10-C2	—	-	
	ø4	KQSY10-C4-X1336	KQSY30-C4	—	
A, B port	ø6	KQSY11-C6-X1336	KQSY30-C6	KQSY50-C6	Part number is for one piece.
A, B port	ø8	-	KQSY30-C8-X1336	KQSY50-C8	(Sales unit: 10 pcs.)
	ø10	—	—	KQSY50-C10	
	ø12	_	_	KQSY50-C12-X1336	

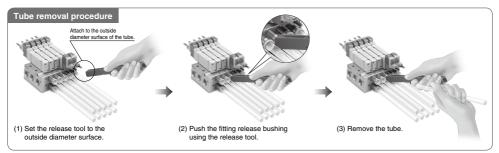
Clip, Port Plate

	JSY	1000				
	For A, B port C2/C4 fittings	For A, B port C6 fittings	JSY3000	JSY5000	Note	
Clip	JSY11M-19-4A	JSY11M-19-3A	JSY31M-19-3A	JSY51M-19-3A	Part number is for 10 pieces.	
Port plate	JSY11M-10-4A	JSY11M-10-3A	JSY31M-10-3A	JSY51M-10-3A	Part number is for 10 pieces.	

Tube Releasing Tool (This tool is used for removing the tube from port A and B.)

Series	For JSY1000 (6.5 mm pitch)	For JSY1000 (9 mm pitch) For JSY3000	For JSY5000		
Releasing tool part no.	TG-0204	TG-0608	TG-1012		
Applicable tubing O.D.	ø2/ø4	ø6/ø8	ø10/ø12		



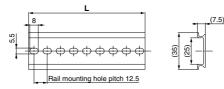


JSY1000/3000/5000 Series Manifold Options

DIN rail dimensions/weight for the JSY1000/3000 Non Plug-in metal base

VZ1000-11-1-

* After confirming the L3 dimension in the dimensions table of each series, refer to the DIN rail dimensions table below and specify the number in the box 🗆.

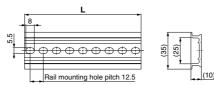


No.	S3	S2	S1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L dimension	60.5	73	85.5	98	110.5	123	135.5	148	160.5	173	185.5	198	210.5	223	235.5	248	260.5	273	285.5
Weight [g]	10.9	13.1	15.4	17.6	19.9	22.1	24.4	26.6	28.9	31.1	33.4	35.6	37.9	40.1	42.4	44.6	46.9	49.1	51.4
No.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
L dimension	298	310.5	323	335.5	348	360.5	373	385.5	398	410.5	423	435.5	448	460.5	473	485.5	498	510.5	523
Weight [g]	53.6	55.9	58.1	60.4	62.5	64.9	67.1	69.4	71.6	73.9	76.1	78.4	80.6	82.9	85.1	87.4	89.6	91.9	94.1
No.	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
L dimension	535.5	548	560.5	573	585.5	598	610.5	623	635.5	648	660.5	673	685.5	698	710.5	723	735.5	748	760.5
Weight [g]	96.4	98.6	100.9	103.1	105.4	107.6	109.9	112.1	114.4	116.6	118.9	121.1	123.4	125.6	127.9	130.1	132.4	134.6	136.9
No.	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	
L dimension	773	785.5	798	810.5	823	835.5	848	860.5	873	885.5	898	910.5	923	935.5	948	960.5	973	985.5	
Weight [g]	139.1	141.4	143.6	145.9	148.1	150.4	152.6	154.9	157.1	159.4	161.6	163.9	166.1	168.4	170.6	172.9	175.1	177.4	

DIN rail dimensions/weight for the JSY5000 Non Plug-in metal base

VZ1000-11-4-

* After confirming the L3 dimension in the dimensions table of each series, refer to the DIN rail dimensions table below and specify the number in the box 🗆.



No.	S1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
L dimension	85.5	98	110.5	123	135.5	148	160.5	173	185.5	198	210.5	223	235.5	248	260.5	273	285.5	298	310.5
Weight [g]	21.7	24.8	28	31.1	34.3	37.4	40.6	43.8	46.9	50.1	53.3	56.4	59.6	62.7	65.9	69.1	72.2	75.4	78.6
No.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
L dimension	323	335.5	348	360.5	373	385.5	398	410.5	423	435.5	448	460.5	473	485.5	498	510.5	523	535.5	548
Weight [g]	81.7	84.9	88	91.2	94.4	97.5	100.7	103.9	107	110.2	113.3	116.5	119.7	122.8	126	129.2	132.3	135.5	138.6
	1				· · · · · · · · · · · · · · · · · · ·														
No.	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
No. L dimension	37 560.5	38 573	39 585.5	40 598	41 610.5	42 623	43 635.5	44 648	45 660.5	46 673	47 685.5	48 698	49 710.5	50 723	51 735.5	52 748	53 760.5	54 773	55 785.5
-				-	610.5														785.5
L dimension	560.5	573	585.5	598	610.5	623	635.5	648	660.5	673	685.5	698	710.5	723	735.5	748	760.5	773	785.5
L dimension Weight [g]	560.5 141.8	573 145	585.5 148.1	598 151.3	610.5 154.5	623 157.6	635.5 160.8	648 163.9	660.5 167.1	673 170.3	685.5 173.4	698 176.6	710.5 179.8	723 182.9	735.5 186.1	748 189.2	760.5	773	785.5

Manifold Options JSY1000/3000/5000 Series

Refer to page 202 for dimensions.
 How to Order Blanking Plates

JSY 3 1M - 26 - 1A

1 JSY1000

JSY3000

JSY5000

Series

3

5

(A) (B) 4 2 1 1 T T T 5 1 3

(EA) (P) (EB) Circuit diagram

Caution Tightening torque for mounting screw

 Tightening torque for mounting screw

 M1.4: 0.06 N·m (JSY1000)

 M2: 0.16 N·m (JSY3000)

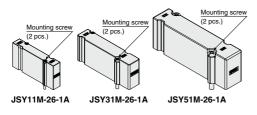
 M3: 0.8 N·m (JSY5000)

Manifold Options

Blanking plate

[With two mounting screws]

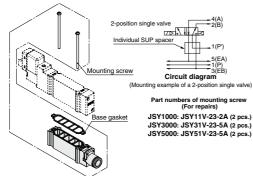
Used when valve additions are expected or for maintenance.



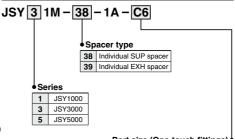
Individual SUP spacer

[With a base gasket and two mounting screws]

When the same manifold is used for different pressures, an individual SUP spacer is used as a supply port for different pressures.



How to Order Individual SUP/EXH Spacers



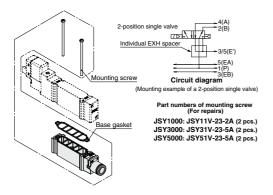
Port size (One-touch fittings)

Symbol	P, E port	JSY1000	JSY3000	JSY5000
C4	ø4 One-touch fitting	•	-	-
C6	ø6 One-touch fitting	-	•	-
C8	ø8 One-touch fitting	_	-	•
C10	ø10 One-touch fitting	-	-	•
C12	ø12 One-touch fitting	-	-	•

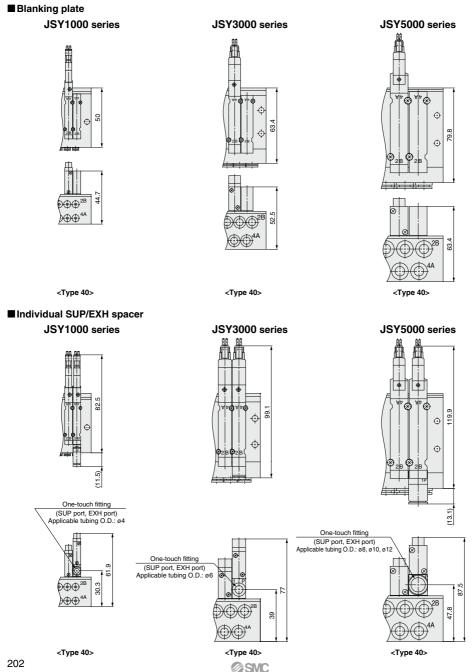
Individual EXH spacer

[With a base gasket and two mounting screws]

When valve exhaust affects other stations due to the circuit configuration, this spacer is used for individual valve exhaust.



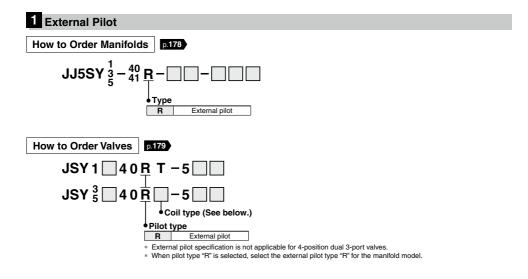
Dimensions: Manifold Options



JSY1000/3000/5000 Series Made to Order

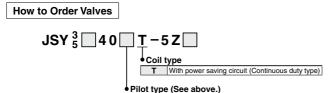
Please contact SMC for detailed dimensions, specifications, and delivery times.





2 Coil Type: With Power Saving Circuit (Continuous Duty Type)

Be sure to select the power saving circuit type when the JSY3000/5000 series is continuously energized for long periods of time. Be careful of the energizing time when the power saving circuit is selected. Refer to page 207 for details. 0.1 W: JSY300/5000



* M8 connector (W□/WA□) with power saving circuit are not available.



Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

Environment

≜ Warning

Do not use valves in atmospheres of corrosive gases, chemicals, sea water, water, water vapor, or where there is direct contact with any of these.

Valve Mounting

▲Caution

Mount it so that there is no slippage or deformation in gaskets, and tighten with the tightening torque as shown below.

Series	Thread size	Tightening torque		
JSY1000	M1.4	0.06 N·m		
JSY3000	M2	0.16 N·m		
JSY5000	M3	0.8 N·m		

Manual Override

≜ Warning

1. Do not apply excessive torque when turning the manual override. [0.05 N·m]

When locking the manual override, be sure to push it down before turning. Turning without first pushing it down can cause damage to the manual override and other trouble such as air leakage, etc.

 Regardless of an electric signal for the valve, the manual override is used for switching the main valve. Connected actuator is started by manual operation. Use the manual override after confirming that there is no danger.

Non-locking push type

Push down on the manual override button until it stops.

JSY1000 series

JSY3000/5000 series





Manual Override

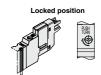
▲Warning

Push-turn locking slotted type [D type]

Push down on the manual override with a small flat head screwdriver until it stops, and then turn it 90° clockwise. The manual override is then locked. To release it, turn it counterclockwise. If it is not turned, it can be operated the same way as the nonlocking push type.

JSY1000 series





JSY3000/5000 series





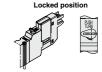
■Push-turn locking lever type [E type]

Push down on the manual override by finger until it stops, and then turn it 90° clockwise. The manual override is then locked. To release it, turn it counterclockwise.

If it is not turned, it can be operated the same way as the nonlocking push type.

JSY1000 series





Carefully check the manual override projection amount Max. (at OFF): 3.2 mm

JSY3000/5000 series





Carefully check the manual override projection amount. Max. (at OFF): 3.2 mm





Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

Used as a 3-Port Valve

In case of using a 5-port valve as a 3-port valve

The JSY1000/3000/5000 series can be used as normally closed (N.C.) or normally open (N.O.) 3-port valves by closing one of the cylinder ports 4(A) or 2(B) with a plug. However, they should be used with the exhaust ports kept open.

Plu	g position	B port	A port
Туре	of actuation	N.C.	N.O.
Number of solenoids	Single	(A)4 2(B) (Z)2)111 1 (EA)5 1 3(EB) (P)	(A)4 2(B) ZZEZ (EA)5 1 3(EB) (P)
Number of	Double	(A)4 2(B) ZDEALI (TAD) (EA)5 1 3(EB) (P)	(A)4 2(B) ZZEX II / TAXI (EA)5 1 3(EB) (P)

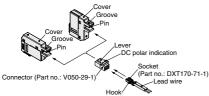
How to Use L/M Plug Connector

≜Caution

1. Attaching and detaching connectors

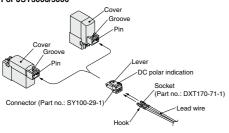
- To attach a connector, hold the lever and connector unit between your fingers and insert straight onto the pins of the solenoid valve so that the lever's pawl is pushed into the groove and locks.
- To detach a connector, remove the pawl from the groove by pushing the lever downward with your thumb, and pull the connector straight out.

For JSY1000



 In order not to damage the connector and cover, do not pull the lead wire excessively (with a force of 10 N or more).

For JSY3000/5000



 In order not to damage the connector and cover, do not pull the lead wire excessively (with a force of 30 N or more).

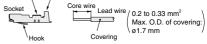
How to Use L/M Plug Connector

▲Caution

2. Crimping connection of lead wire and socket

Strip 3.2 to 3.7 mm at the end of lead wires, insert the end of the core wires evenly into the sockets, and then crimp it by a crimping tool. When this is done, take care that the coverings of the lead wires do not enter the core wire crimping area. (Please contact SMC for the dedicated crimping tools.)

Core wire crimping area / Covering retainer



3. Attaching and detaching lead wires with sockets • Attaching

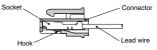
Insert the sockets into the square holes of the connector (\oplus, \ominus) indication), and continue to push the sockets all the way in until they lock by hooking into the seats in the connector.

(When they are pushed in, their hooks open and they are locked automatically.) Then confirm that they are locked by pulling lightly on the lead wires.

Detaching

To detach a socket from a connector, pull out the lead wire while pressing the socket's hook with a stick having a thin tip (approx. 1 mm).

If the socket will be used again, first spread the hook outward.







Plug Connector

Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

<How to Order> L/M Plug Connector

For JSY1000

V050-30-\A-	
	Т

Rated voltage

Symbol	Rated voltage	Lead wire color
4	DC	Red, Black
Nil	Without le	ad wire*1

*1 With

6 1000 mm 10

Nil

20 30

50

50

n connecto	r and 2	2 of so	ockets	only

For JSY3000/5000

Rated voltage

4

Nil

SY100-30-

DC

Symbol Rated voltage Lead wire color

*1 With connector and 2 of sockets only

Without lead wire*1

Lead	wire length
Symbol	Lead wire length
Nil	300 mm
6	600 mm
10	1000 mm
20	2000 mm
30	3000 mm

Lead wire length

Symbol Lead wire length

300 mm

600 mm

2000 mm

3000 mm

5000 mm

5000 mm

How to Order

Specify the plug connector part number together with the part number for the plug connector type solenoid valve without connector.

Red. Black

<Example> Lead wire length 2000 mm

For DC JSY3140-5LOZ SY100-30-4A-20

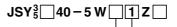
M8 Connector Type (JSY3000/5000)

Connector cable

Connector cable for M8 can be ordered as follows:

How to Order

1. To order solenoid valve and connector cable at the same time. (Connector cable will be included in the shipment of the solenoid valve.)



IEC Standards compliant

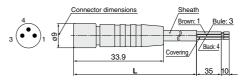
Nil None Α IEC60947-2 compliant

• Cat	Cable length (mm)					
Symbol	Cable length (mm)					
1	300					
2	500					
3	1000					
4	2000					
5	3000					
6	4000					
7	5000					

Ex. 1) Cable length: 300 mm JŠY3140-5W1Z

Symbol for electrical entry

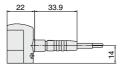
2. To order connector cable only



Cable length (L)	Part no.
300 mm	V100-49-1-1
500 mm	V100-49-1-2
1000 mm	V100-49-1-3
2000 mm	V100-49-1-4
5000 mm	V100-49-1-7
3000 mm	V100-49-1-5
4000 mm	V100-49-1-6

Sheath O.D.	ø3.4 mm
Cover diameter	ø1.16 mm
Conductor area	0.16 mm ²

[Dimensions when installed]







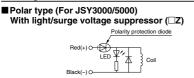
Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

Surge Voltage Suppressor

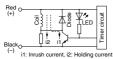
≜Caution

<For DC> L/M Plug Connector



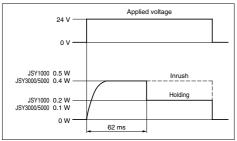
 \cdot Connect in accordance with the +, – polarity indication.

- When wiring is done at the factory, positive (+) is red and negative (-) is black.
- With power saving circuit (JSY3000/5000: Made to Order) Power consumption is decreased to approx. 1/2.5 to 1/4 of the amount consumed at startup by reducing the wattage required to hold the valve in an energized state. (Effective energizing time is over 62 ms at 24 VDC.)



The circuit shown above reduces the power consumption for holding in order to save energy. Refer to the electrical power waveform as shown below.

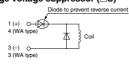
<Electrical power waveform with power saving circuit>



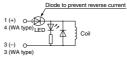
- Be careful not to reverse the polarity, since a diode to prevent the reversed current is not provided for the power saving circuit.
- Since the voltage will drop by approx. 0.5 V due to the transistor, pay attention to the allowable voltage fluctuation. (For details, refer to the solenoid specifications of each type of valve.)

M8 Connector Type (JSY3000/5000)

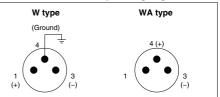
Polar type With surge voltage suppressor (□S)



With light/surge voltage suppressor (Z)



Solenoid valve side pin wiring diagram



* The WA-type valve cannot be grounded.





Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

Continuous Duty

▲Caution

If a valve is energized continuously for long periods of time, the rise in temperature due to heat-up of the coil assembly may cause a decline in solenoid valve performance, reduce service life, or have adverse effects on peripheral equipment. If the valve is energized continuously for long periods of time, be sure to use a valve with power saving circuit. In particular, if three or more adjacent stations on the manifold are energized simultaneously for extended periods of time or if the valves on A side and B side are energized simultaneously for long periods of time, take special care as the temperature rise will be greater.

Energization of a 2-Position Double Solenoid Valve

▲Caution

To avoid operation failure, do not energize the A side and B side of 2-position double solenoid valve at the same time.

How to Replace One-touch Fittings

▲Caution

By replacing One-touch fittings of manifold base, it is possible to change the connection diameter of the 4(A), 2(B), 1(P), 3/5(E) ports. When replacing the One-touch fittings, remove the clip or the plate before pulling the One-touch fittings off. Mount the One-touch fittings by following the removal procedure in reverse.

Use caution as it may cause air leakage if the clip and the plate are not inserted securely enough when they are switched. Refer to page 199 for part numbers of One-touch fittings.

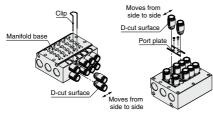
Fitting direction is specified when the fittings below are used. Assemble the fitting so that the D-cut surfaces of the fitting face <u>sideways</u>.

Fitting part no.: KQSY10-C4-X1336 (JSY1000)

KQSY11-C6-X1336 (JSY1000)

KQSY30-C8-X1336 (JSY3000) KQSY50-C12-X1336 (JSY5000)

Metal base



- It is not possible to replace C2 or C4 fittings with C6 fittings for the JSY1000 series.
- Refer to page 199 for One-touch fitting, clip, and port plate part numbers.

One-touch Fittings

A Caution

Tube attachment/detachment for One-touch fittings

1) Tube attachment

 Take a tube having no flaws on its periphery and cut it off at a right angle. When cutting the tube, use tube cutters TK-1, 2 or 3. Do not use pliers, nippers or scissors, etc. If cutting is done with tools other than tube cutters, the tube may be cut diagonally or become flattened, etc.,

making a secure installation impossible, and causing problems such as the tube pulling out after installation or air leakage. Allow some extra length in the tube.

- Grasp the tube and push it in slowly, inserting it securely all the way into the fitting.
- After inserting the tube, pull on it lightly to confirm that it will not come out. If it is not installed securely all the way into the fitting, this can cause problems such as air leakage or the tube pulling out.

2) Tube detachment

- 1. Push in the release button sufficiently, pushing its collar equally around the circumference.
- Pull out the tube while holding down the release button so that it does not come out. If the release button is not pressed down sufficiently, there will be increased bite on the tube and it will become more difficult to pull it out.
- 3. When the removed tube is to be used again, cut off the portion which has been chewed before reusing it. If the chewed portion of the tube is used as is, this can cause trouble such as air leakage or difficulty in removing the tube.

Series	Model	Piping	Port	Fitting					ıg O.I	
Series	Widdei	port	size	i itung	ø2	ø4	ø6	ø8	ø10	ø12
		1P, 5EA	1/8	KQ2H						
		3EB	1/0	KQ2S				>		
8		X, PE	M5	KQ2H						
ē	JJ5SY1-40/41(R)	A, FE	1013	KQ2S		0				
JSY1000	Manifold base		M5	KQ2H						
۳		4A, 2B	IVIO	KQ2S		U				
		4A, 2D	МЗ	KQ2H	\bigcirc					
			IVIS	KQ2S	0					
		B: -	.	-		a va B a	- la la	to the loss		_
Series	Model	Piping port	Port size	Fitting	<u> </u>	·	_		ig O.I	_
			size	-	ø2	ø4	ø6	ø8	ø10	Ø12
	JJ5SY3-40/41(R) Manifold base	1P, 5EA 3EB	1/4	KQ2H KQ2S						
_		JED	M5						\square	
ö		X, PE		KQ2H	<u> </u>		\equiv			
3				KQ2S			Ę			
Ś		4A, 2B	1/8	KQ2H KQ2S				L	-	
~			, 2B M5	KQ25 KQ2H		_		P		
				KQ2H KQ2S			\equiv			
				KQ25						
. .		Piping	Port		A	oplic	able	tubir	g O.I	D.
Series	Model	port	size	Fitting	ø2	ø4	ø6	ø8	ø10	ø12
		1P, 5EA	3/8	KQ2H					i	
		3EB	3/0	KQ2S					i 1	
8	2	V DE	M5	KQ2H						
l lõ	JJ5SY5-40/41(R)	X, PE	IVI5	KQ2S						
JSY5000	Manifold base		1/4	KQ2H		\square				
ч Ч		44.00	1/4	KQ2S					╞	
		4A, 2B	1/8	KQ2H						
			1/8	KQ2S				i		

Applicable Fittings: KQ2H, KQ2S, M Series



Be sure to read this before handling the products.

Refer to page 7 for safety instructions and pages 8 to 14 for 3/4/5 port solenoid valve precautions.

Other	Tube	Brands
-------	------	--------

▲ Caution

1. When using other than SMC brand tube, confirm that the following specifications are satisfied with respect to the tube outside diameter tolerance.

1) Nylon tube	within ±0.1 mm
Soft nylon tube	within ±0.1 mm
3) Polyurethane tube	within +0.15 mn
	within -0.2 mm

Do not use tube which do not meet these outside diameter tolerances. It may not be possible to connect them, or they may cause other trouble, such as air leakage or the tube pulling out after connection.

mm

Fixation of DIN Rail Mounting Type Manifolds

∧ Caution

- 1. When the manifold is fixed with bolts on a mounting surface etc., it can be operated just by fixing on both ends of the DIN rail if the bottom surface of the DIN rail is entirely in contact with the mounting surface when mounted horizontally. However, if it is used with other mounting or with side or reverse mounting, fix the DIN rail with bolts at regular intervals. As a guide, insert bolts in 2 locations for 2-5 stations, 3 locations for 6-10 stations, 4 locations for 11-15 stations, and 5 locations for 16-20 stations.
- 2. When using the manifold with DIN rail in an environment where any vibration or impact is applied to it, the DIN rail itself may be broken. In particular, if the installation surface vibrates when mounting the manifold on the wall or if a load is directly applied to the manifold, the DIN rail may be broken, causing the manifold to drop. When any vibration, impact, or load is applied to the manifold, be sure to use the direct mounting manifold.

M8 Connector

Caution

1. M8 connector types have an IP65 (enclosure) rating, offering protection from dust and water. However please note: these products are not intended for use in water.

Select a SMC connector cable (V100-49-1-□) or a FA sensor type connector, with M8 threaded 3 pin specifications conforming to Nippon Electric Control Equipment Association Standard, NECA4202 (IEC60947-5-2). Make sure the connector O.D. is 10.5mm or less when used with the JSY3000 series manifold. If more than 10.5mm, it cannot be mounted due to the size.

- 2. Do not use a tool to mount the connector, as this may cause damage. Only tighten by hand. (0.4 to 0.6 N·m)
- 3. The excessive stress on the cable connector will not be able to satisfy the IP65 rating. Please use caution and do not apply a stress of 30 N or greater.

▲ Caution

Failure to meet IP65 performance may result if using alternative connectors than those shown above, or when insufficiently tightened.

Connector cable mounting

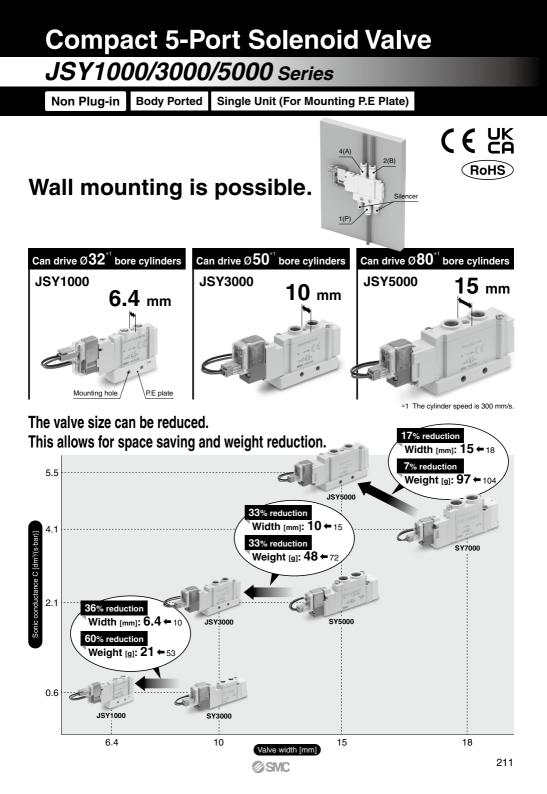


Connector cable should be mounted in the correct direction. Make sure that the arrow symbol on the connector is facing the triangle symbol on the valve when using SMC connector cable (V100-49-1-D). Be careful not to squeeze it in the wrong direction, as problems such as pin damage may occur.

Installation

▲ Caution

Even though the inlet pressure is within the operating pressure range, when the piping diameter is restricted due to size reduction of supply port (P), the flow will be insufficient. In this case, the valve does not switch completely and the cylinder may malfunction.



JSY1000/3000/5000 Series Valve Specifications

Valve Specifications

	Va	ve type		Rubber seal		
Fluid				Air		
Internal pilot		2	position single	0.15 to 0.7		
operating pressure range [MPa] 2-position double		position double	0.1 to 0.7			
Ambient and fluid te	npera	tures [°C]		-10 to 50 (No freezing)		
Max. operating frequency	JSY1 JSY3	12.	position single/double	5		
[Hz]	JSY	i000 2·	position single/double	5		
				Non-locking push type		
Manual override				Push-turn locking slotted type		
			Push-turn locking lever type			
Pilot exhaust type Internal pilot			Individual exhaust			
Lubrication	ubrication			Not required		
Mounting orientation	*1			Unrestricted		
Impact/Vibration res	stanc	e ^{*1} [m/s ²]		150/30		
Enclosure	Iclosure			IP40		
Electrical entry	ectrical entry			L plug connector (L), M plug connector (M)		
Coil rated voltage [V	il rated voltage [V]			24 VDC		
Allowable voltage flu	otuoti	~ ~	JSY1000	-7% to +10% of the rated voltage (24 VDC)		
Allowable voltage itt	ciuati	on	JSY3000/5000	±10% of rated voltage		
		Standard	JSY3000/5000	0.4		
Power consumption	DC	With powe	JSY1000	0.2*2 [Inrush: 0.5, Holding: 0.2]		
[W]	50	saving circuit	JSY3000/5000 (Made to Order)	0.1 [Inrush: 0.4, Holding: 0.1]		
Surge voltage suppr	essor			Diode		
Indicator light				LED		

*1 Impact resistance: No malfunction occurred when tested in the axial direction and at a right angle to the main valve and armature in both an energized and a de-energized state, once in each condition. (Value in the initial state) Vibration resistance: No malfunction occurred in a conserved bat between 45 and 2000 Hz. Test was performed at both an energized and a de-

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both an energized and a deenergized state in the axial direction and at a right angle to the main valve and armature. (Value in the initial state)

*2 JSY1000 series available as power-saving type only. Standard type (without power-saving circuit) cannot be selected.

Response Time/Valve Weight

Body Ported

				Response time [ms] (at 0.5 MPa)*1 Standard		
Series	Seal type	Model	Type of actuation	With light/surge voltage suppressor	Valve weight [g]	
				Z type		
JSY1000		JSY1120T	2-position single	15	21	
3311000		JSY1220T	2-position double	5	28	
JSY3000	Rubber seal	JSY3120	2-position single	27	48	
JSY5000	Hubber seal	JSY3220	2-position double	10	63	
		JSY5120	2-position single	42	97	
		JSY5220	2-position double	13	113	

*1 Based on the JIS B 8419: 2010 dynamic performance test (Coil temperature 20°C, at rated voltage)

JSY1000/3000/5000 Series Type 20 Non Plug-in Body Ported Single Unit (For Mounting P.E Plate)

Single Unit Specifications

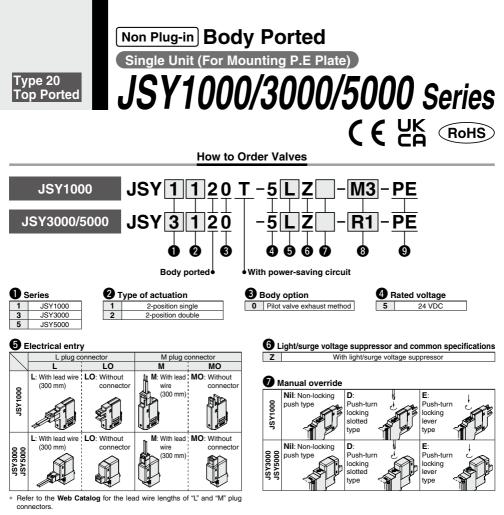


Model			Non plug-in, For mounting P.E plate
	JSY10		M5 x 0.8
	1(P), 3/5(E) port Port size 4(A), 2(B) port	JSY3000	1/16
Dout oire		JSY5000	1/8
Port size		JSY1000	M3 x 0.5, M5 x 0.8
		JSY3000	1/16
		JSY5000	1/8

Flow Rate Characteristics

Port size		ze	Valve flow rate characteristics				
Model	Model 1, 5, 3 4, 2 (P, EA, EB) (A, B)		$1 \rightarrow 4/2 \ (P \rightarrow A/B)$		$4/2 \rightarrow 5/3 (A/B \rightarrow E)$		
			C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b	
JSY1000	M5	M5	0.6	0.48	0.6	0.39	
JSY3000	1/16	1/16	2.0	0.41	2.1	0.35	
JSY5000	1/8	1/8	5.5	0.38	5.4	0.36	

* Calculation of effective area S and sonic conductance C: S = 5.0 x C



3 4(A)/2(B) port size thread piping

Symbol	Thread piping	JSY1000	JSY3000	JSY5000
M3	M3 x 0.5	•	—	—
M5	M5 x 0.8	•	-	—
R1	Rc1/16	-	•	—
01	Rc1/8	—	—	•

9 With P.E plate

Symbol	Port size	JSY1000	JSY3000	JSY5000
	M5	•	_	_
PE	Rc1/16	—	•	-
	Rc1/8	—	_	•

▲ Caution

If the JSY3000/5000 series is to be continuously energized, please be sure to select the powersaving circuit (continuous duty type) specification. Refer to "Made to Order" on page 222.

Additionally, if it is to be used at an energizing rate of over 50%, please select the product with a power-saving circuit. For the JSY1000 series, only the power-saving circuit specification is available. Made to Order Order (Refer to page 222 for details.)

Specification

With power-saving circuit (Continuous duty type): 0.1 W (JSY3000/5000)

▲Caution

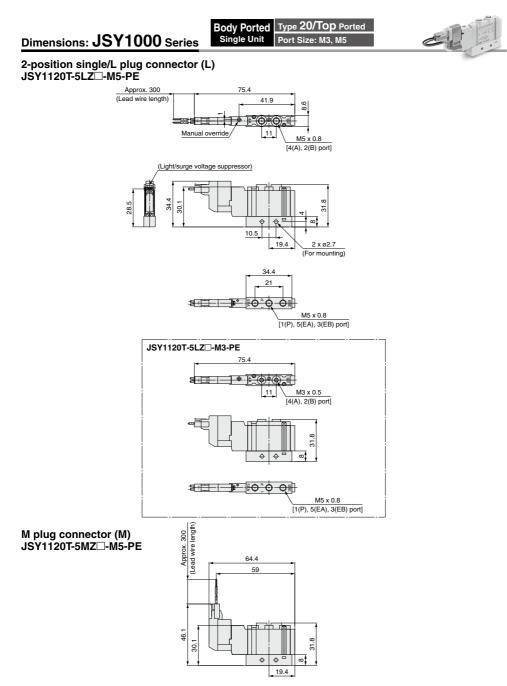
Refer to the following to order the fitting/silencer for the 1/16 thread piping of the JSY3000 separately.

	Description	Part number	Port size Piping/Type	
	One-touch fittings (Applicable tubing O.D.: ø6)	KQ2S06-R1AS-X1517*1		
	One-touch fittings (Applicable tubing O.D.: ø8)	KQSY-S08R1S*1	Rc1/16	
	Silencer	INA-25-98		
	 *1 The part number is for 1 piece. (Sales unit: 10 *1 Tightening torque: 2 to 3 N·m (One-touch fittir 			

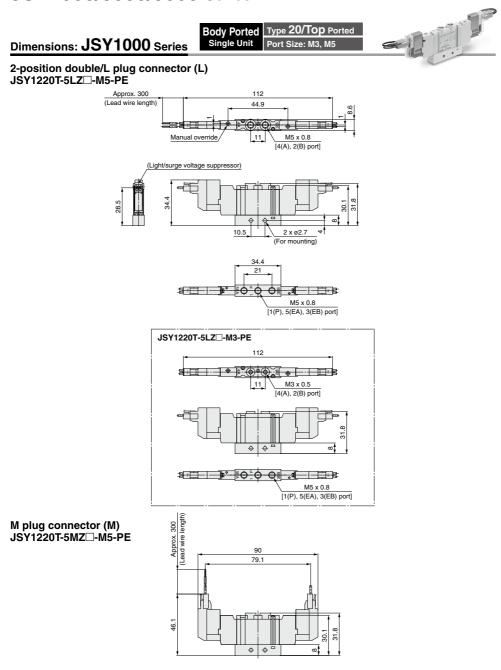


Non Plug-in Body Ported Single Unit (For Mounting P.E Plate)

^{ad} JSY1000/3000/5000 Series



SMC



Non Plug-in Body Ported Single Unit (For Mounting P.E Plate)

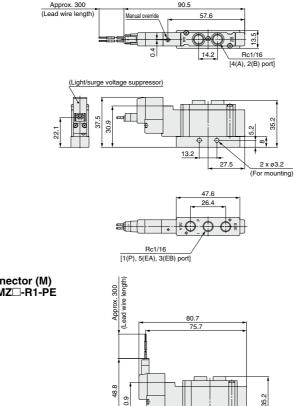
JSY1000/3000/5000 Series



Body Ported Type 20/Top Ported Single Unit Port Size: Rc1/16



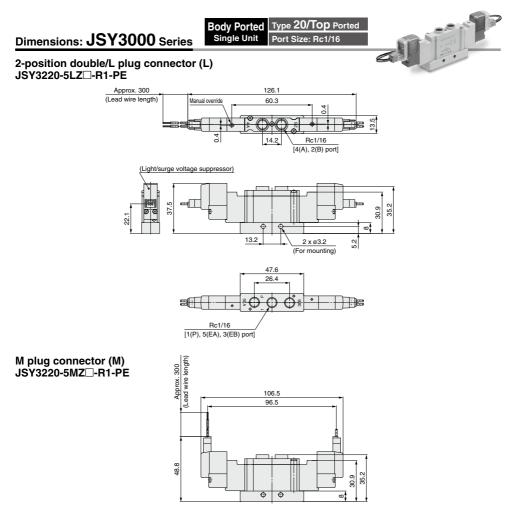
2-position single/L plug connector (L) JSY3120-5LZO-R1-PE

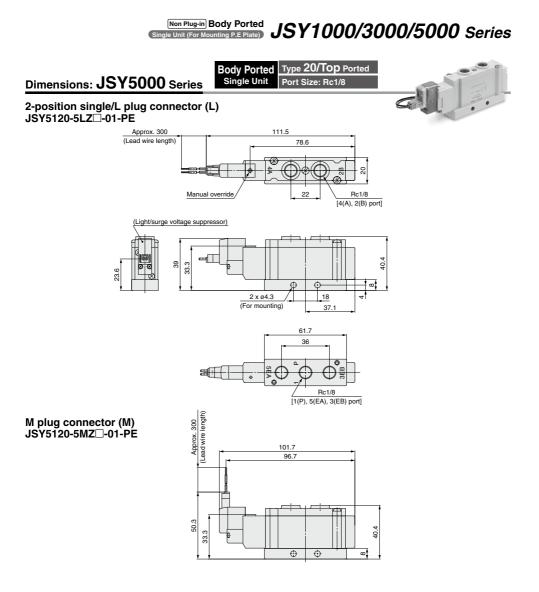


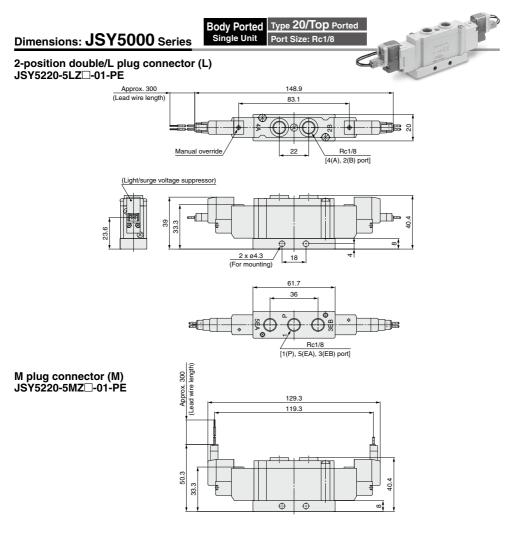
30.9

M plug connector (M) JSY3120-5MZ□-R1-PE

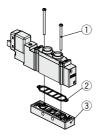
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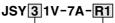


JSY1000/3000/5000 Series Non Plug-in Single Unit Parts Nos.



No.	Description	Part number			Note
INO.		JSY1000	JSY3000	JSY5000	Note
1	Valve mounting screw	JSY11V-23-3A (M1.4 x 24.5)	JSY31V-23-7A (M2 x 27)	JSY51V-23-7A (M3 x 32)	Part numbers shown on the left are for 10 valves. (20 pcs.)
2	Base gasket	JSY11M-9P-1A	JSY31M-9P-1A	JSY51M-9P-1A	Part numbers shown on the left are for 10 valves. (10 pcs.)
3	P.E plate assembly	JSY11V-7A-M5	JSY31V-7A-R1	JSY51V-7A-01	With base gasket Available in units of 1 set For details, refer to the part numbers below.

P.E Plate



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Series 1 JSY1000 3 JSY3000 5 JSY5000

O Thread piping JSY1000 JSY3000 JSY5000 M5 M5 x 0.8 ----- -- -- R1 Rc1/16 ------ ----- ----- 01 Rc1/8 ----------- ---------- ---------------

JSY1000/3000/5000 Series Made to Order

Please contact SMC for detailed dimensions, specifications, and delivery times.



1 Coil type: With power-saving circuit (Continuous duty type)

Be sure to select the power-saving circuit type when the JSY3000/5000 series is continuously energized for long periods of time. Be careful of the energizing time when the power-saving circuit is selected. 0.1 W: JSY3000/5000

How to Order Valves					
JSY ³ ₅ 20 <u>7</u> - 5 Z PE					
• Coil type					
Т	With power-saving circuit (Continuous duty type)				