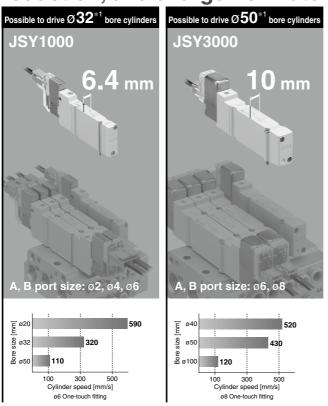
Compact 5-Port Solenoid Valve

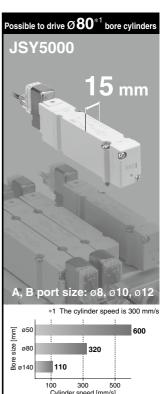
JSY1000/3000/5000 Series

Non Plug-in

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



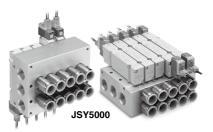




Refer to pages 168 to 171 for detailed conditions regarding the above cylinder speed.

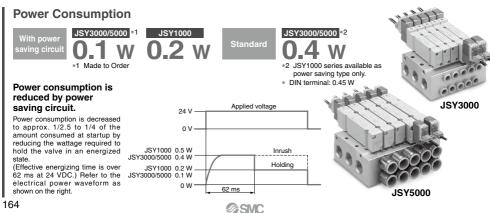






ø12 One-touch fitting

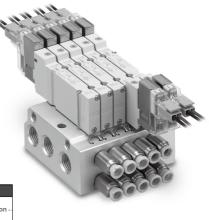
Series Map 36% 33% 17% Valve 15 mm ← 18 mm 6.4 mm ← 10 mm 10 mm ← 15 mm reduction reduction reduction width **57**% 46% 17% Weight 240 g ← 560 g 960 g = 1160 g 470 g = 870 g reduction reduction reduction 3.7 JSY5000 Series SY7000 C [dm3/(s-bar)] 3.7 + 1.9 JSY3000 Series SY5000 2.3 times C [dm3/(s-bar)] 1.8 + 0.8 0.6 SY3000 JSY1000 Series 10 15 6.4 18 Valve width [mm]



Space Saving

36% reduction

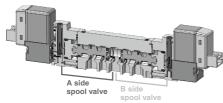
Weight Max. 57% reduction



	Volume [cm ³]	Weight [g]
JSY1000	210 36%-reduction-	240 57% reduction
SY3000	330	560
JSY3000	460 28% reduction	470 46% reduction
SY5000	640	870
JSY5000	850 14% reduction	960 17% reduction
SY7000	990	1160

4-Position Dual 3-Port Valve Available

• Two 3-port valves built into one body

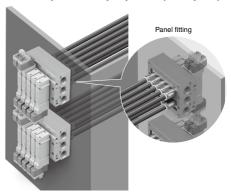


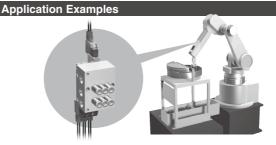
- 3-port valves on the A and B sides can operate independently.
- · When used as a 3-port valve, only half the number of stations is required.
- · Can also be used as a 4-position, 5-port valve

· Combination examples

Model	A side	B side
JSY□A4□	N.C. valve	N.C. valve
JSY□B4□	N.O. valve	N.O. valve
JSY□C4□	N.C. valve	N.O. valve

Bottom ported is prepared (A, B port).





Series Variations

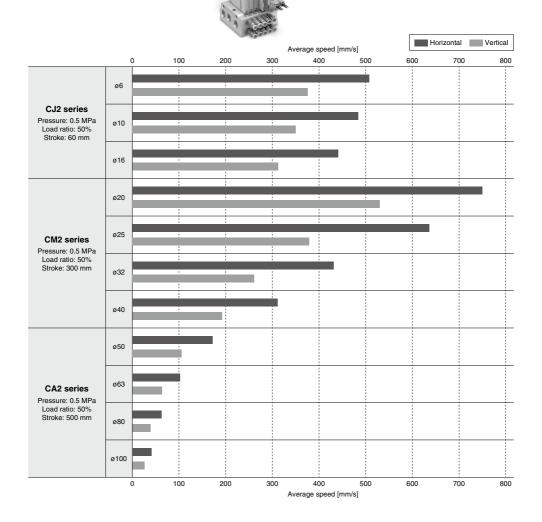
	_	Sonic con C [dm ³ /								Р	ort s	ize						lanifo		V	alve O	ptions		liant
	rection	4/2− (A/B→E	5/3		A, B port						C	Optior		ow fication	sances	ssure	sizes	5 comp						
	Piping direction	4 (A),		Type of actuation	Rated voltage		Π	ead piping			Γ_	One-touch fitti		$\dot{\Box}$		P, E port	Blanking plate	Individual SUP spacer	Individual EXH space	Vacuum/Low pressure specifica	Different pressures	Reverse pressure	Mixed fitting sizes	Enclosure IP65 compliant
	Д.	2 (B) port				M3	M5	1/8	1/4	ø2	ø4	ø6	ø8	ø10	ø12		ă [±]	SUF	로쮸	V	Differ	Reve	Mixe	Enclo
JSY 1000	Side		0.63	2-position single (A) 4 2(B) (EA) 5 1 3(EB) 2-position double (A) 4 2(B)																				
	Bottom	ø6	0.75	(EA)S1 3(EB) (EA)S1 3(EB) 3-position closed center (A)4 2(B) (EA)S1 3(EB) (EA)S1 3(EB)		•	•			•	•	•				1/8								
JSY 3000	Side		1.81	3-position exhaust center (A)4 2(B) (EA)5 1 3(EB) (P) 3-position pressure center																				
	Bottom	• Ø8	2.13	(A) 4 2(B) (EA) 51 3(EB) 4-position dual 3-port valve N.C. valve x 2 pcs. 4(A) 2 (B)	24 VDC	_	•	•	_			•	•	_		1/4	O p.201	p.201	p.201	External pilot	O Individual SUP	External pilot	•	*1
JSY 5000	Side	ø12	3.72	5(EA) 1(P) 3(EB) N.O. valve x 2 pcs. 4(A) 2(B)											•	3/8								•
	Bottom	בוט	4.47	5(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)												3,0								

Standard ○ Option ▲ Made to Order (Refer to page 203.) *1 Only for when using an M8 connector, DIN terminal, or M12 connector (DIN terminal and M12 connector: Only for the JSY5000) **Manifold Options Tube Releasing Tool** ■ Individual SUP spacer p.201 ■ Individual EXH spacer p.201 ■ Blanking plate p.201 ■This tool is used for removing the tube When the same manifold is used for When valve exhaust affects other Used when valve different pressures, an individual SUP spacer is used as a supply port for different pressures. stations due to the circuit configuration, this spacer is used for individual valve exhaust. additions are expected from port A and B. For JSY1000/3000 98 For JSY1000 2-position single valve 2-position single valv For JSY5000 ия∏ Individual SUP spacer as 5(EA) Circuit diagram Circuit diagram 3 (EA) (P) (EB) (Mounting example of a 2-position single valve) (Mounting example of a 2-position single valve)

CONTENTS

Valve Specification	ns	ir Cylinderp. 168	Valve Construction Valve Replacement Parts	•
		lug-in Metal Base	e e 41 Bottom Ported	p. 177
			ecifications, Flow Rate Characteristics, Weight)····	
JSY1000 Side ported	JSY1000 Bottom ported		e 40 Side Ported ····································	-
JSY3000 Side ported	JSY3000 Bottom ported	•	e 40 Side Ported ·····	·
	A COST		e 40 Side Ported ······	
JSY5000 Side ported	JSY5000 Bottom ported	Dimensions/JSY5000: Typ	e 41 Bottom Ported ······	···· p. 195
Manifold Exploded	l View ······			·····p. 198
One-touch Fittings	, Clip, Port Plate,	Tube Releasing Tool		·····p. 199
Manifold Options				·····p. 200
Made to Order ·····				·····p. 203

For JSY1000, A, B port: Ø4



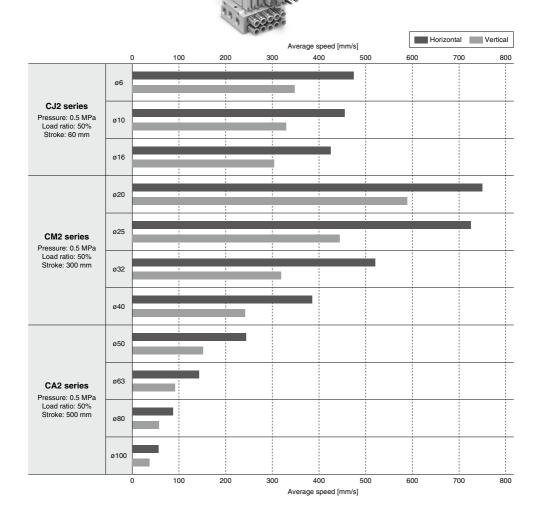
Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.

^{*} 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.

For JSY1000, A, B port: Ø6

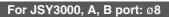


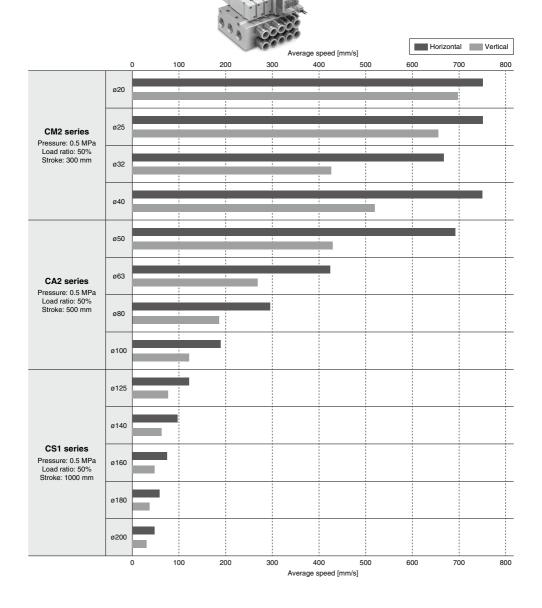
Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.

^{*} 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.





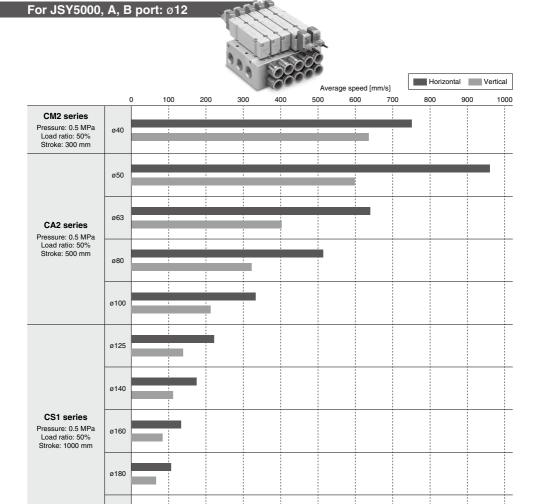
^{*} Values at extension of a directly coupled cylinder when meter-out speed controllers are used with the needle full open.

st 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.

ø200



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.

JSY1000/3000/5000 Series Valve Specifications

Valve Specifications

		Valve type		Rubber seal				
Fluid				Air				
Internal pilot	<u> </u>	osition single		0.15 to 0.7				
operating pressure 2-position do				0.1 to 0.7				
range 3-position			0.2 to 0.7					
[MPa]	[MPa] 4-position dual 3-po			0.15 to 0.7				
External pilot	External pilot Operating pressure r			-100 kPa to 0.7				
operating pressure	Dil.	ot pressure	2-position single					
range [MPa]	ran		2-position double	0.25 to 0.7				
(Made to Order)		.90	3-position					
Ambient and fluid temp	perat	tures [°C]		-10 to 50 (No freezing)				
			2-position single/double	5				
	JS	Y1000/3000	4-position dual 3-port valve	3				
Max. operating frequency			3-position	3				
[Hz]			2-position single/double	5				
[]	JSY5000		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				
Pilot exhaust type	Inte	ernal pilot		Individual exhaust				
r not exhaust type	Ext	ernal pilot (Mad	e to Order)	ilidividual exitadst				
Lubrication				Not required				
Mounting orientation*1	1			Unrestricted				
Impact/Vibration resist	tance	e*1 [m/s ²]		150/30				
Enclosure				IP40: L plug connector (L), M plug connector (M) IP65: DIN terminal (D) (Y), M8 connector (W) (WA), M12 connector (K)				
Electrical entry				L plug connector (L), M plug connector (M), DIN terminal (D) (Y), M8 connector (W) (WA), M12 connector (K)				
Coil rated voltage [V]				24 VDC				
Allowable voltage fluct	tuati	on.	JSY1000	-7% to +10% of the rated voltage (24 VDC)				
Allowable voltage fluctuation		JSY3000/5000	±10% of the rated voltage					
		Standard	JSY3000/5000	0.4 (DIN terminal: 0.35 W [Without light], 0.45 [With light])				
Power consumption	DC	With power*4	JSY1000	0.2*2 [Inrush 0.5, Holding 0.2]				
[w]		saving circuit	JSY3000/5000 (Made to Order)	0.1*3 [Inrush 0.4, Holding 0.1]				
Surge voltage suppressor				Diode (Varistor for the DIN terminal type)				
Surge voltage suppres	SOF							

^{*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)
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 210 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} The type with a power-saving circuit is not available for the DIN terminal, M8 connector, and M12 connector types.

^{*4} For details, refer to page 208

Valve Specifications JSY1000/3000/5000 Series

Response Time/Valve Weight

Osition	Ocal town	Madel	Toronto de Maria	Response time [ms] (at 0.5 MPa)*1 Standard	Weight [g]						
Series	Seal type	Model	Type of actuation	With light/surge voltage suppressor	L/M plug	DIN terminal	W/WA M8	K M12			
				Z type	connector	terriiriai	connector	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		Hubber seai	Hubber seai	Hubber seai	Hubber seai	JSY3(3/4/5)40	3-position	30	52		60
		JSY3(A/B/C)40	4-position dual 3-port valve	27	48	48					
		JSY5140	2-position single	42	66	94	70	88			
JSY5000		JSY5240	2-position double	13	83	139	91	127			
3313000			JSY5(3/4/5)40	3-position	40	93	149	101	137		
		JSY5(A/B/C)40	4-position dual 3-port valve	41	80	136	88	124			

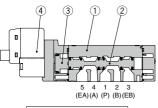
^{*1} Based on dynamic performance test, JIS B 8419-2010. (Coil temperature: 20°C, at rated voltage)

SMC

JSY1000/3000/5000 Series **Valve Construction**

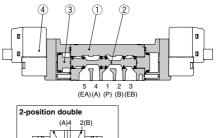
Rubber Seal

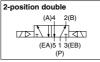
2-position single



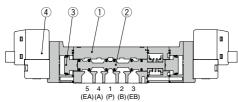


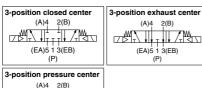
2-position double





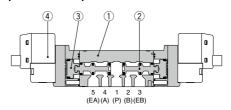
3-position closed center/exhaust center/pressure center

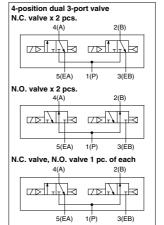




(EA)5 1 3(EB) (P)

4-position dual 3-port valve



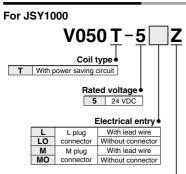


Component Parts

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	_				

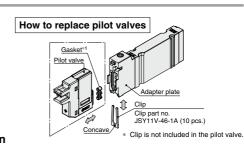
JSY1000/3000/5000 Series Valve Replacement Parts

How to Order Pilot Valves



Light/surge voltage suppressor

Z With light/surge voltage suppressor



⚠ Caution

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

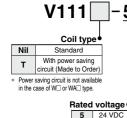
Mounting 1) Mount the pilot valve on the adapter plate.

Insert the clip into the adapter plate so that the clip will not protrude from the end of the adapter plate.

Light/surge voltage suppressor

*1 Confirm that the gasket is mounted on the pilot valve.

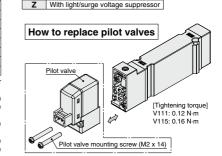
For JSY3000/5000



L L plug

L	L plug	With lead wire
LO	connector	Without connector
M	M plug	With lead wire
MO	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 "WA□".
- * For W□ and WA□, enter the cable length symbols in □. Please be sure to fill in the blank referring to page 207.
- * The "WAO" and "WA□" M8 connectors are IEC 60947-5-2 standard compliant.
- * When replacing only the pilot valve assembly, be aware that the V111 and the V115 are not interchangeable.



DIN terminal type, M12 connector type (JSY5000 only)



▼ LIC	Liecu icai enti y								
D	DIN terminal	With connector							
DO	(D type)	Without connector							
Υ	DIN terminal	With connector							
YO	(Y type)	Without connector							
K□	M40	With connector cable							
ко	M12 connector	Without connector cable							

- * When replacing only the pilot valve assembly, be aware that the V111 and the V115 are not interchangeable.
- * Refer to "Electrical entry" on page 179 for details on the "K□" and "KO" types.
- * Enter the cable length symbols in K□. Please be sure to fill in the blank referring to page 207.

Light/Surge voltage suppressor Electrical entry for K

Z With light/surge voltage suppressor

Electrical entry for D, Y

	, <u>,</u> , .
s	With surge voltage suppressor (Non-polar type)
Z	With light/surge voltage suppressor (Non-polar type)

- * Only "DOS" and "YOS" are available for the S type.
- * DOZ and YOZ are not available



JSY1000/3000/5000 Series Type 40, 41



Non Plug-in Metal Base



Manifold Specifications

Manifold typ	e		Non plug-in metal base
SUP/EXH port type			Common SUP/EXH
Valve stations			2 to 20 stations
	1(P), 3/5(E) port JS		1/8
			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
			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 → 4/2 (P –	→ A/B)	4/2 → 5/3 (A/I	B → E)	(n: stations)		
	(P, EA, EB)	(A, B)	C [dm ³ /(s-bar)]	b	C [dm ³ /(s-bar)]	C [dm ³ /(s·bar)] b		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	36 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	/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 x 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.

Type 40 Type 41

Bottom Ported

Non Plug-in Metal Base

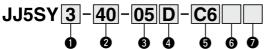
JSY1000/3000/5000 Series

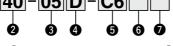
(E UK RoHS



Internal Pilot

How to Order Manifolds





1 Series		
1	JSY1000	
3	JSY3000	
5	JSY5000	

② Typ	oe e
40	Side ported
41	Bottom ported
. The	Annual alles annual

 The external pilot specification should be ordered as Made to Order. For details. refer to page 203.

3 Valve stations

Symbol	Stations
02	2 stations
	:
20	20 stations

Made to Order (Refer to page 203 for details.)

_	(
	Specification
	External pilot
_	

4 P, E port entry		
U	U side*1	
D	D side*1	
В	Both sides	

*1 Plugs are mounted on the opposite side of the selected ports.

A, B port size Thread piping

Symbol	A, B port	JSY1000	JSY3000	JSY5000
M3	M3 x 0.5	•	_	_
M5	M5 x 0.8	•	•	_
01	1/8	_	•	•
02	1/4	_	ı	•

6 Thread type	
Nil	Rc
F	G
N	NPT

Mounting 1

Nil	Direct mounting		
D	DIN rail	mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)		
D3	For 3 stations Specify a lor	Specify a longer rail	
:	:	than the standard	
D20	For 20 stations	length.	

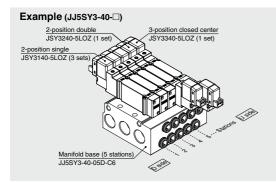
- * Only direct mounting is available for Type 41 (Bottom ported).
- * Refer to page 209 for the fixation of DIN rail mounting type manifold.

One-touch fitting (Metric)

S	ymbol	A, B port	JSY1000	JSY3000	JSY5000		
	C2	ø2	•	_	_		
Fixed	C4	ø4	•	_	_	60	
iĚ	C6	ø6	_	•	_	CCC	
	C8	ø8	_	_	•	95	
	KC2	ø2	•	ı	-	↑ Type 40	Type 41
<u>o</u>	KC4	ø4	•	_	_	(Side ported)	(Bottom ported)
l gg	KC6	ø6	•	•	_	1	
ä	KC8	ø8	_	•	_		212
Replaceable	KC10	ø10	_	_	•		
ď	KC12	ø12	_	-	•		
	M*1	A, B ports mixed	●*2	•	•		
	P, E port size (Thread piping)		1/8	1/4	3/8	W	

- *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.) * JSY3140-5LOZ......3 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.

Internal Pilot

How to Order Valves (With two mounting screws)

JSY1000 Series

JSY3000/5000 Series

4 0 T

Made to Order (Refer to page 203 for details.)

Specification With power saving circuit (Continuous duty type): 0.1 W (JSY3000/5000) External pilot

With power saving circuit

Series

1	JSY1000
3	JSY3000
5	JSY5000

2 Type of actuation

1	2-position single
2	2-position double
3	3-position closed center
4	3-position exhaust center
5	3-position pressure center
Α	Dual 3-port (N.C./N.C.)
В	Dual 3-port (N.O./N.O.)
С	Dual 3-port (N.C./N.O.)

Pilot valve exhaust method

_		
	0	Pilot valve individual exhaust

🗘 Rat	ed voltage
	24 VDC

6 Electrical entry

U	ecuicai enu y					
	L plug c	onnector	M plug c	onnector	DIN terminal (JSY5000 only)
	L	LO	M	MO	D, Y	DO, YO
JSY1000	L: With lead wire (300 mm)	LO: Without connector	M: With lead wire (300 mm)	MO: Without connector	_	_
JSY3000 JSY5000	L: With lead wire (300 mm)	LO: Without connector	M: With lead wire (300 mm)	MO: Without connector	D, Y: With connector	DO, YO: Without connector

_	_ ~		-			
		M8 con	nector*1		M12 connector	(JSY5000 only)
	W□	WO	WA□	WAO	K□	ко
JSY1000	_	-	-	-	-	_
			WA□: With connector cable	WAO: Without		KO: Without
88	connector cable	connector cable	connector cable	connector cable	connector	connector cable
JSY3000 JSY5000						

- *1 Refer to page 206 for the lead wire length of L and M plug connectors.
- *1 The "WAO" and "WA\[D" M8 connectors are IEC 60947-5-2 standard compliant.
- *1 Refer to page 208 for polarity details and the pin wiring diagram.
- *1 For connector cable of M8 connector, refer to page 207.
- *1 Enter the cable length symbols in . Please be sure to fill in the blank referring to page 207.
- *1 For connector cable of M12 connector, refer to page 207.
- *1 "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C). For details, refer to page 210.

6 Light/surge voltage suppressor

Electrical entry for L, M, W, WA, K

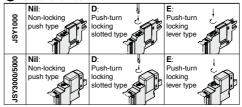
Z With light/surge voltage suppressor

Electrical entry for D, Y

s	With surge voltage suppressor (Non-polar type)
z	With light/surge voltage suppressor (Non-polar type)

- *1 Only "DOS" and "YOS" are available for the S type.
- *1 DOZ and YOZ are not available

Manual override



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.

When ordering a valve individually, the base gasket is not included.

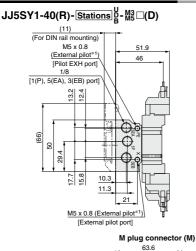
Since the base gasket is attached to the manifold, please order the base gasket separately if it is needed for maintenance service.

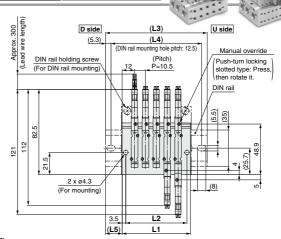
Refer to page 198 for base gasket and mounting screw part numbers.



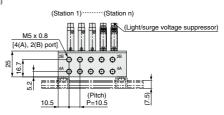
Dimensions: JSY1000 Series

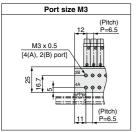
Non Plug-in Type 40/Side Ported Metal Base Port Size: M3, M5

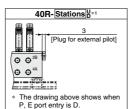




Port size M3







Approx. 300

- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY1-40-05B-M5."

L Dimensions: Port Size M5

n: Stations

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

L Dimensions: Port Size M3

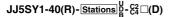
n: Stations

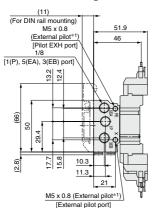
n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	30.5	37.0	43.5	50.0	56.5	63.0	69.5	76.0	82.5	89.0	95.5	102.0	108.5	115.0	121.5	128.0	134.5	141.0	147.5
L2	23.5	30.0	36.5	43.0	49.5	56.0	62.5	69.0	75.5	82.0	88.5	95.0	101.5	108.0	114.5	121.0	127.5	134.0	140.5
L3	60.5	73.0	73.0	85.5	85.5	98.0	98.0	110.5	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

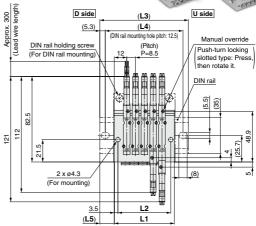
Dimensions: JSY1000 Series

Metal Base Port Size: Ø2, Ø4/Fixed

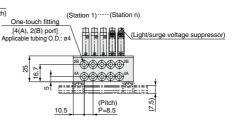
Non Plug-in Type 40/Side Ported

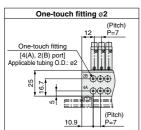


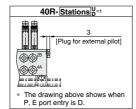




M plug connector (M) 63.6 Approx. 300 (Lead wire length) Ľ. 8 66







- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY1-40-05B-C4."

L Dimensions: Port Size C4

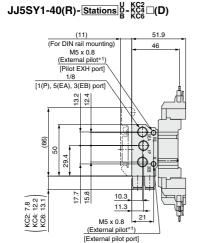
14.0 16.0 18.0 14.0 16.0 18.0 13.5 15.5 17.5 13.5 15.5 17.5 13.0 15.0 17.0 13.0 15.0 17.0 19.0

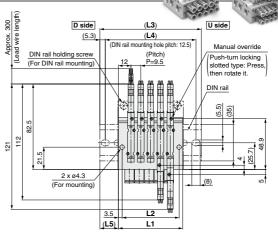
L Dime	ensio	ns: Po	rt Siz	e C4														n: \$	Stations
_ - -	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	32.5	41.0	49.5	58.0	66.5	75.0	83.5	92.0	100.5	109.0	117.5	126.0	134.5	143.0	151.5	160.0	168.5	177.0	185.5
L2	25.5	34.0	42.5	51.0	59.5	68.0	76.5	85.0	93.5	102.0	110.5	119.0	127.5	136.0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

L Dime	ensio	ns: Po	rt Siz	e C2														n: \$	Stations
	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

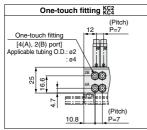
Dimensions: JSY1000 Series

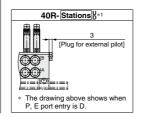
Type 40/Side Ported Non Plug-in **Metal Base** Port Size: Ø2. Ø4. Ø6/Replaceable





(Station 1)---- (Station n) M plug connector (M) 63.6 Approx. 300 One-touch fitting (Lead wire length) [4(A), 2(B) port] Applicable tubing O.D.: ø6 (Light/surge voltage suppressor) 7 8 66 (Pitch) 10.5 P=9.5





- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY1-40-05B-KC6."

L Dimensions: Port Size KC6

n: Stations 3 4 5 6 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

L Dime	ensio	ns: Po	ort Siz	es Ko	C2, K(C4												n:	Stations
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	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

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

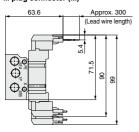
Dimensions: JSY1000 Series

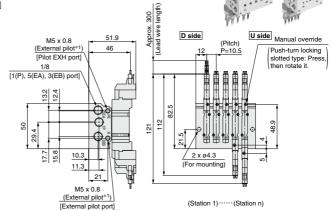
Metal Base Port Size: M3, M5

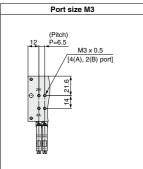
Non Plug-in Type 41/Bottom Ported

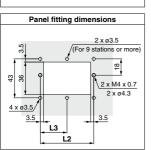
JJ5SY1-41(R)-Stations P-M5 -

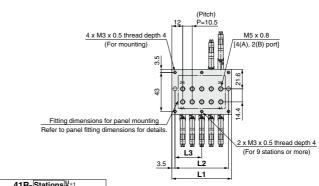
M plug connector (M)

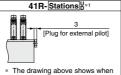












- P, E port entry is D.
- *1 The external pilot (R) should be ordered as Made to Order.

(Light/surge voltage suppressor)

22

* These figures show the "JJ5SY1-41-05B-M5."

Dimensions: Port Size M5

L DIIII	#115101	15. FC	JI L 312	e ivio														n: 8	Stations
	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
1.3	_	_	_	_	_	_	_	50.5	55.8	61.0	66.3	71.5	76.8	82.0	87.3	92.5	97.8	103.0	108.3

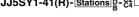
LD)ime	ensio	ns: Po	ort Siz	e M3														n: \$	Stations
_	/5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	.1	30.5	37.0	43.5	50.0	56.5	63.0	69.5	76.0	82.5	89.0	95.5	102.0	108.5	115.0	121.5	128.0	134.5	141.0	147.5
L	.2	23.5	30.0	36.5	43.0	49.5	56.0	62.5	69.0	75.5	82.0	88.5	95.0	101.5	108.0	114.5	121.0	127.5	134.0	140.5
L	.3	_	_	_	_	_	_	_	34.5	37.8	41.0	44.3	47.5	50.8	54.0	57.3	60.5	63.8	67.0	70.3

Dimensions: JSY1000 Series

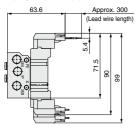
Non Plug-in **Metal Base**

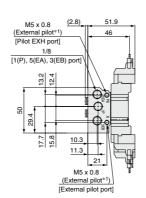
Type 41/Bottom Ported Port Size: ø2. ø4/Fixed

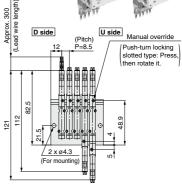
JJ5SY1-41(R)-Stations



M plug connector (M)



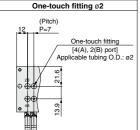


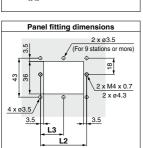


(Station 1)-----(Station n)

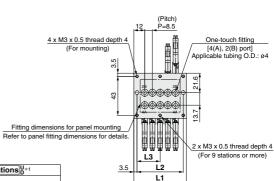
22

(Light/surge voltage suppressor)









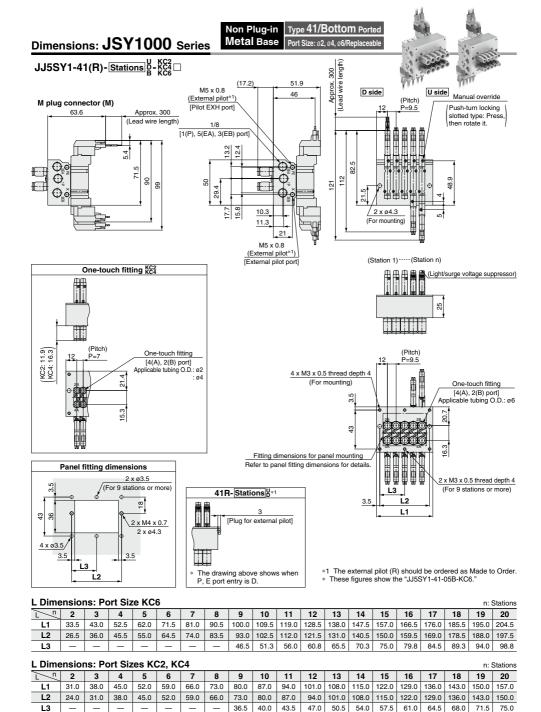


- *1 The external pilot (R) should be ordered as Made to Order. * These figures show the "JJ5SY1-41-05B-C4."

Dimensions: Port Size C/

LD	iiiie	115101	15. FC	JI L 312	26 04														n: 8	Stations
/	/>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L	1	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
L	2	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
$\overline{}$	3		_	_	_	_	_	_	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 DIME	ensioi	1S: PC	ort Siz	e C2														n: 8	Stations
	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									Ca C	N/IC									



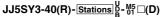
Dimensions: JSY3000 Series

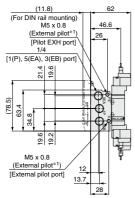
Non Plug-in Metal Base | Port Size: M5, 1/8

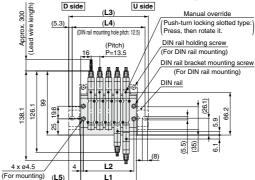
Type 40/Side Ported

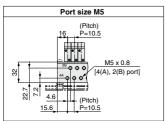


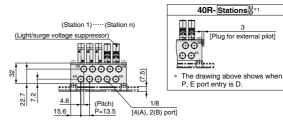
[Plug for external pilot]





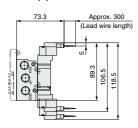




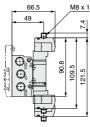


- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY3-40-05-01."

M plug connector (M)



M8 connector (W, WA)



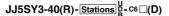
L Dimensions: Port Size 01 (1/8)

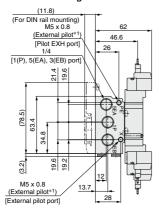
L Dillie	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15. F	JI L 312		(1/0)													111. 3	Stations
_ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	45.5	59.0	72.5	86.0	99.5	113.0	126.5	140.0	153.5	167.0	180.5	194.0	207.5	221.0	234.5	248.0	261.5	275.0	288.5
L2 37.5 51.0 64.5 78.0 91.5 105.0 118.5 132.0 145.5 159.0 172.5 186.0 199.5 213.0 226.5 240.0 253.5 267.0 280.5															280.5				
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 26 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 31															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

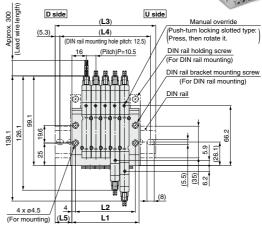
LD	ıme	nsioi	ns: Po	ort Siz	ze M5														n:	Stations
$\overline{}$	<u></u>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L.	1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L	2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L	3	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
L	4	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
L	5	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

Dimensions: JSY3000 Series

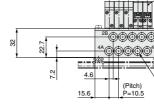
Non Plug-in Type 40/Side Ported **Metal Base** Port Size: Ø6/Fixed







(Station 1)----(Station n)



*1 The external pilot (R) should be ordered as Made to Order.

One-touch fitting [4(A), 2(B) port]

Applicable tubing O.D.: ø6

(Light/surge voltage suppressor)

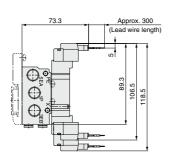
6

* These figures show the "JJ5SY3-40-05-C6."

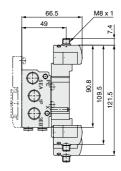
[Plug for external pilot] The drawing above shows when P, E port entry is D.

40R- Stations U*1

M plug connector (M)



M8 connector (W, WA)

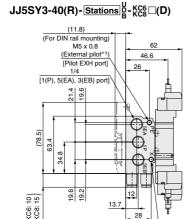


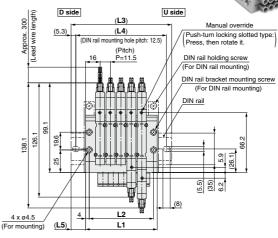
L Dimensions: Port Size C6

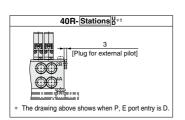
L Dime	ensio	ns: Po	rt Siz	e C6														n:	Stations
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	181.5	192.0	202.5	213.0	223.5
L3	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

Dimensions: JSY3000 Series

Non Plug-in Type 40/Side Ported Metal Base Port Size: 06, 08/Replaceable

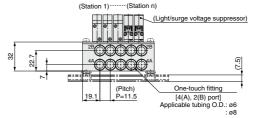






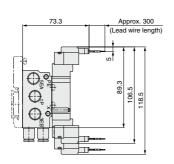
M5 x 0.8

(External pilot*1)
[External pilot port]

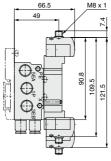


- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY3-40-05-KC8."

M plug connector (M)



M8 connector (W, WA)



L Dimensions: Port Sizes KC6, KC8

L DIME	ensioi	IS: PC	Drt Siz	es N	, n	- 0												n: 3	Stations
L_n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	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
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
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

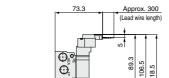
Type 41/Bottom Ported Non Plug-in Metal Base Port Size: M5, 1/8 Dimensions: JSY3000 Series Approx. 300 (Lead wire length) JJ5SY3-41(R)-Stations P-01 M5 x 0.8 D side U side (External pilot*1) (Pitch) [Pilot EXH port] 46.6 P=13.5 1/4 26 Manual override [1(P), 5(EA), 3(EB) port] Push-turn locking slotted type: Press, then rotate it. 19.6 99 19.6 126.1 63.4 .99 138 34.8 19.6 9.5 12 13.7 28 4 x ø4.5 M5 x 0.8 (For mounting) (Light/surge voltage suppressor) (Station 1) ---- (Station n) (External pilot*1 [External pilot port] 41R-Stations D*1 Port size M5 32 (Pitch) [Plug for external pilot] P=10.5 [4(A), 2(B) port] (Pitch) P=13.5 * The drawing above shows when P, E port entry is D. 4 x M4 x 0.7 thread depth 4 (For mounting) Panel fitting dimensions 2 x ø4.5 ō o o o o (Pitch) (For 9 stations or more) P=10.5 M5 x 0.8 55 00000 21 6 [4(A), 2(B) port] 5 47. Fitting dimensions for panel mounting

- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY3-41-05-01."

Refer to panel fitting

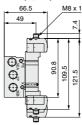
2 x M4 x 0.7 (For 9 stations or more)

dimensions for details



M plug connector (M)

M8 connector (W, WA)



4 x ø4.5

4

Ĺ2

4 x M4 x 0.7

4 x ø4.5

L Dimensions: Port Size 01 (1/8)

L Dillie	5115101	15. FC	JI L 312	e oi ((1/0)													n: -	Stations
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

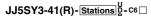
L Dime	Dimensions: Port Size M5 n: Stations 0 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 L1 42.5 53.0 63.5 74.0 84.5 95.0 105.5 116.0 126.5 137.0 147.5 158.0 168.5 179.0 189.5 200.0 201.0 221.0 221.0 L2 34.5 45.0 55.5 66.0 76.5 87.0 97.5 108.0 118.5 129.0 139.5 150.0 160.5 171.0 181.5 192.0 202.5 213.0 223.5																		
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	-	_	_	_	_	_	_	54.0	59.3	64.5	69.8	75.0	80.3	85.5	90.8	96.0	101.3	106.5	111.8

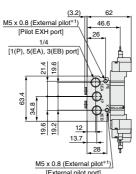
Dimensions: JSY3000 Series

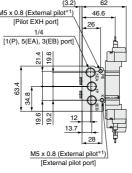
Metal Base | Port Size: Ø6/Fixed

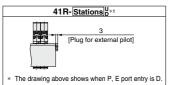
Non Plug-in Type 41/Bottom Ported

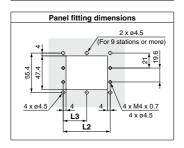


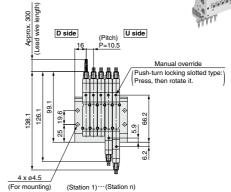


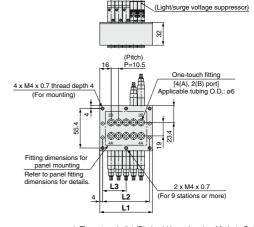










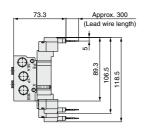


*1 The external pilot (R) should be ordered as Made to Order.

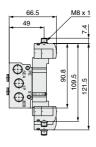
n: Ctation

* These figures show the "JJ5SY3-41-05-C6."

M plug connector (M)



M8 connector (W, WA)



Dimensions: Port Size C6

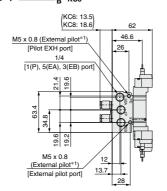
L Dillie	1113101	15. FC	JI L 312	- CO														n: -	Stations
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	42.5	53.0	63.5	74.0	84.5	95.0	105.5	116.0	126.5	137.0	147.5	158.0	168.5	179.0	189.5	200.0	210.5	221.0	231.5
L2	34.5	45.0	55.5	66.0	76.5	87.0	97.5	108.0	118.5	129.0	139.5	150.0	160.5	171.0	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

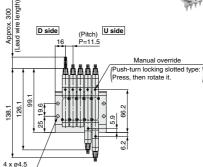
Dimensions: JSY3000 Series

Non Plug-in Type 41/Bottom Ported Metal Base Port Size: Ø6, Ø8/Replaceable

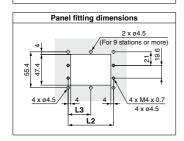


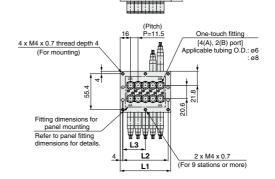
JJ5SY3-41(R)-Stations D-KC8 C





41R- Stations U*1 916 916 [Plug for external pilot] * The drawing above shows when P, E port entry is D.





(Station 1) ··· (Station n)

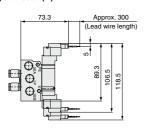
32

*1 The external pilot (R) should be ordered as Made to Order.

(Light/surge voltage suppressor)

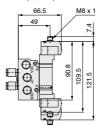
* These figures show the "JJ5SY3-41-05-KC8."

M plug connector (M)



M8 connector (W, WA)

(For mounting)



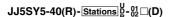
I Dimensions: Port Sizes KC6 KC8

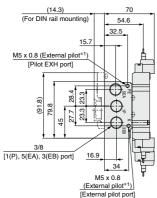
L Dime	ensio	ns: Po	ort Siz	es KO	26, K	C8												n:	Stations
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	43.5	55.0	66.5	78.0	89.5	101.0	112.5	124.0	135.5	147.0	158.5	170.0	181.5	193.0	204.5	216.0	227.5	239.0	250.5
L2	35.5	47.0	58.5	70.0	81.5	93.0	104.5	116.0	127.5	139.0	150.5	162.0	173.5	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

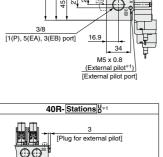
Dimensions: JSY5000 Series

Non Plug-in Type 40/Side Ported Metal Base Port Size: 1/8, 1/4

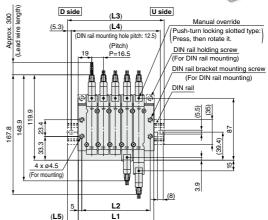


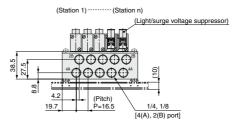




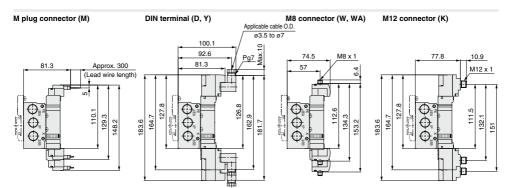


* The drawing above shows when P, E port entry is D.





- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY5-40-05B-02."

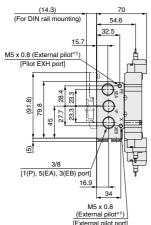


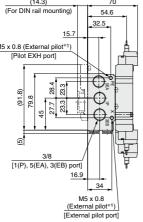
L Dime	ensio	ns: Po	ort Siz	es 01	(1/8)	, 02 (1	/4)											n: \$	Stations
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	56.5	73.0	89.5	106.0	122.5	139.0	155.5	172.0	188.5	205.0	221.5	238.0	254.5	271.0	287.5	304.0	320.5	337.0	353.5
L2	46.5	63.0	79.5	96.0	112.5	129.0	145.5	162.0	178.5	195.0	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

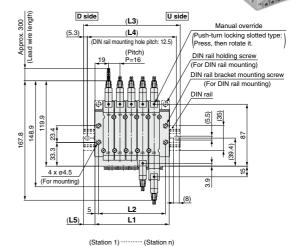
Dimensions: JSY5000 Series

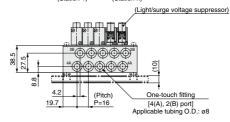
Non Plug-in Type 40/Side Ported **Metal Base** Port Size: Ø8/Fixed

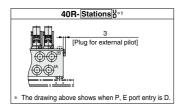
JJ5SY5-40(R)-Stations D-C8 □(D)



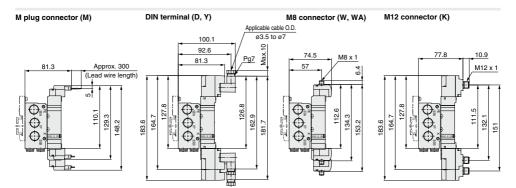








- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY5-40-05B-C8."



L Dime	ensio	าร: Po	ort Siz	e C8														n:	Stations
L	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

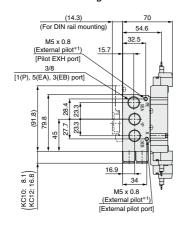
Dimensions: JSY5000 Series

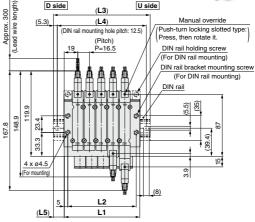
Non Plug-in Metal Base

Type **40/Side** Ported
Port Size: Ø10, Ø12/Replaceable

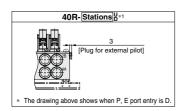


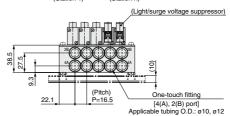
JJ5SY5-40(R)-Stations P-KC10 (D)



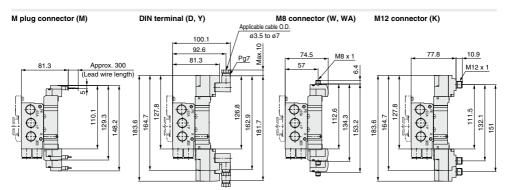


(Station 1) ---- (Station n)





- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY5-40-05B-KC12."

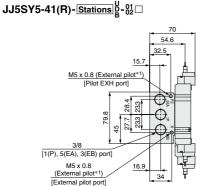


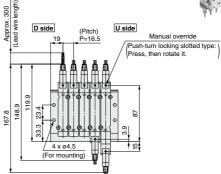
L Dime	ensio	าร: Po	ort Siz	es K(C10, K	(C12												n: 8	Stations
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	56.5	73.0	89.5	106.0	122.5	139.0	155.5	172.0	188.5	205.0	221.5	238.0	254.5	271.0	287.5	304.0	320.5	337.0	353.5
L2	46.5	63.0	79.5	96.0	112.5	129.0	145.5	162.0	178.5	195.0	211.5	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

Dimensions: JSY5000 Series

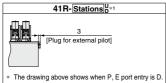
Non Plug-in Type 41/Bottom Ported **Metal Base** Port Size: 1/8, 1/4

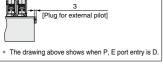


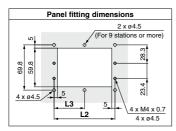


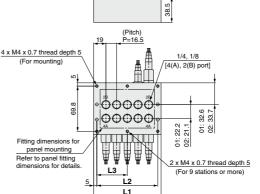


(Light/surge voltage suppressor)



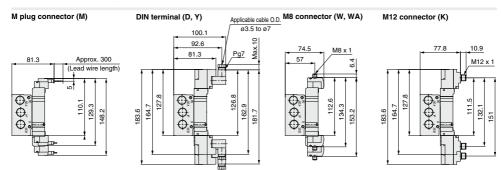






(Station 1)-----(Station n)

- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY5-41-05B-02.



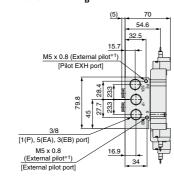
L Dime	L Dimensions: Port Sizes 01 (1/8), 02 (1/4) n: Stations														Stations				
n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	54.5	71.0	87.5	104.0	120.5	137.0	153.5	170.0	186.5	203.0	219.5	236.0	252.5	269.0	285.5	302.0	318.5	335.0	351.5
L2	44.5	61.0	77.5	94.0	110.5	127.0	143.5	160.0	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

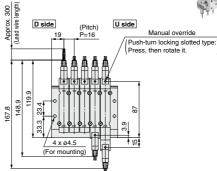
Dimensions: JSY5000 Series

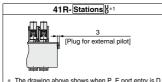
JJ5SY5-41(R)-Stations P-C8□

Non Plug-in Type 41/Bottom Ported **Metal Base** Port Size: Ø8/Fixed

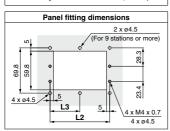


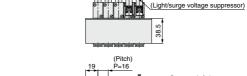




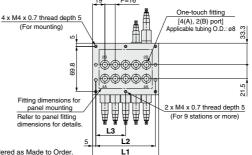


* The drawing above shows when P, E port entry is D.





(Station 1)---- (Station n)



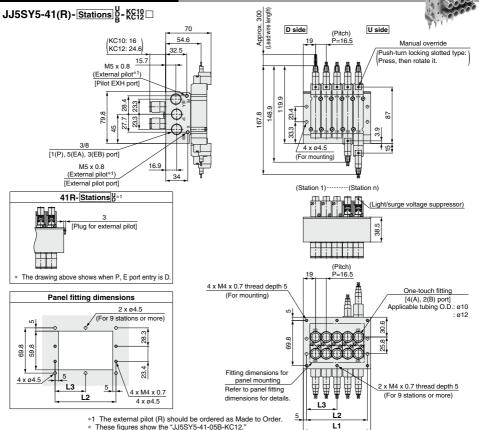
- *1 The external pilot (R) should be ordered as Made to Order.
- * These figures show the "JJ5SY5-41-05B-C8."

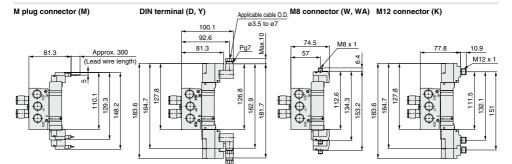
M plug connector (M) DIN terminal (D, Y) M8 connector (W, WA) M12 connector (K) Applicable cable O.D. ø3.5 to ø7 100.1 92.6 Max. 74.5 M8 x 1 81.3 10.9 81.3 Approx. 300 M12 x 1 (Lead wire length) 127.8 127.8 $\overline{\oplus}$ 112.6 9 65.9 129.3 164.7 34.3 164.7 Ō. Ō 181.7 83.6 148.2 83.6 53.2 35. 51

L Dimensions: Port Size C8													Stations							
		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

Dimensions: JSY5000 Series

Non Plug-in Type 41/Bottom Ported Metal Base Port Size: 010, 012/Replaceable

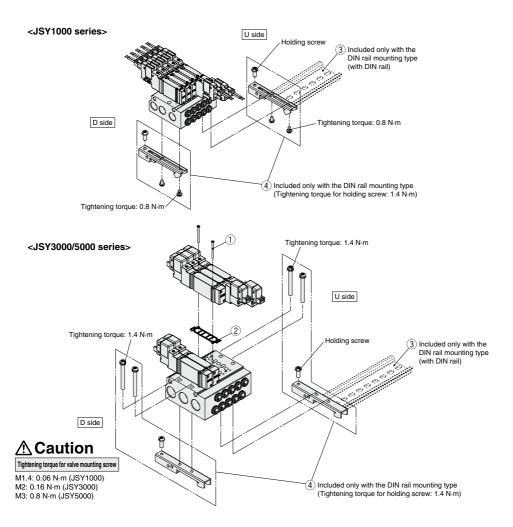




L Dime	L Dimensions: Port Sizes KC10, KC12 n: Stations																		
n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	54.5	71.0	87.5	104.0	120.5	137.0	153.5	170.0	186.5	203.0	219.5	236.0	252.5	269.0	285.5	302.0	318.5	335.0	351.5
L2	44.5	61.0	77.5	94.0	110.5	127.0	143.5	160.0	176.5	193.0	209.5	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

JSY1000/3000/5000 Series Type 40, 41

Non Plug-in Metal Base Manifold Exploded View



Manifold Parts Nos.

No.	Description		Part number	Note					
INO.	Description	JSY1000	JSY3000	JSY5000	Note				
1	Valve mounting screw	JSY11V-23-1A (M1.4 x 21.5)	JSY31V-23-4A (M2 x 22)	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	Э	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	

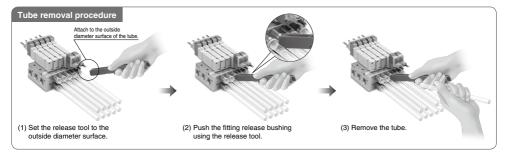
■Clip, Port Plate

ſ		JSY ⁻	1000			
		For A, B port C2/C4 fittings	For A, B port C6 fittings	JSY3000	JSY5000	Note
ſ	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



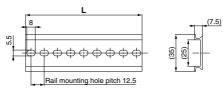


JSY1000/3000/5000 Series Manifold Options

■ 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 □.

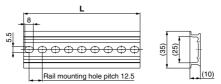


No.	S3	S2	S1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L dimension	60.5	73	85.5	98	110.5	123	135.5	148	160.5	173	185.5	198	210.5	223	235.5	248	260.5	273	285.5
Weight [g]	10.9	13.1	15.4	17.6	19.9	22.1	24.4	26.6	28.9	31.1	33.4	35.6	37.9	40.1	42.4	44.6	46.9	49.1	51.4
No.	16	17	18	19	20	21	22	23	24	25	26	27	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
No. L dimension	35 535.5	36 548	37 560.5	38 573	39 585.5	40 598	41 610.5	42 623	43 635.5		45 660.5	46 673	47 685.5	48 698	49 710.5	50 723	51 735.5	52 748	53 760.5
				573						648	660.5	-			_				
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
L dimension Weight [g]	535.5 96.4	548 98.6	560.5 100.9	573 103.1	585.5 105.4	598 107.6	610.5 109.9	623 112.1	635.5 114.4	648 116.6	660.5 118.9	673 121.1	685.5 123.4	698 125.6	710.5 127.9	723 130.1	735.5 132.4	748 134.6	760.5

■ 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 \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
No.	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
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
Weight [g]	141.8	145	148.1	151.3	154.5	157.6	160.8	163.9	167.1	170.3	173.4	176.6	179.8	182.9	186.1	189.2	192.4	195.6	198.7
No.	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71			
L dimension	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]	201.9	205.1	208.2	211.4	214.5	217.7	220.9	224	227.2	230.4	233.5	236.7	239.8	243	246.2	249.3			



Manifold Options JSY1000/3000/5000 Series

* Refer to page 202 for dimensions.

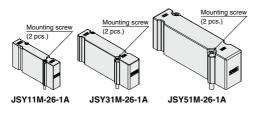
↑ Caution Tightening torque for mounting screw M1.4: 0.06 N·m (JSY1000) M2: 0.16 N·m (JSY3000) M3: 0.8 N·m (JSY5000)

Manifold Options

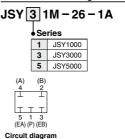
■Blanking plate

[With two mounting screws]

Used when valve additions are expected or for maintenance.



How to Order Blanking Plates



Symbol

C4

C6

C8

C10

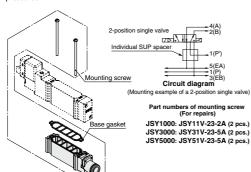
C12

ø12 One-touch fitting

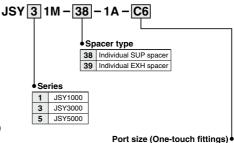
■Individual SUP spacer

[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

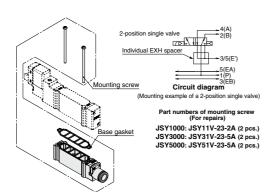


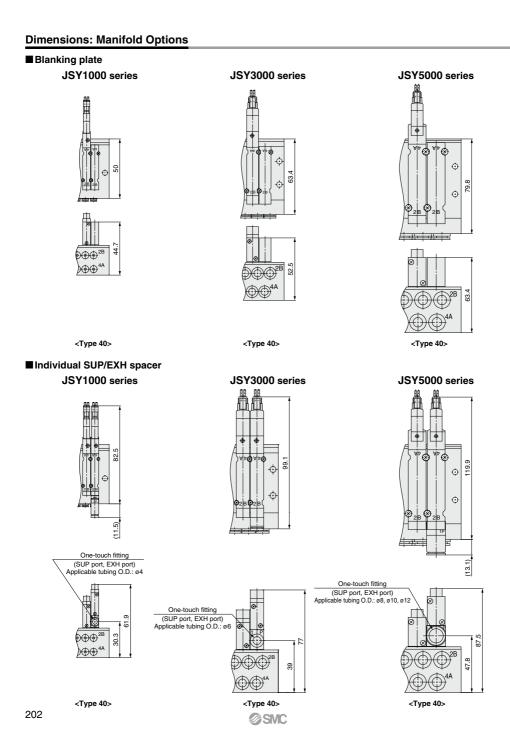
JSY1000 JSY3000 JSY5000 P, E port ø4 One-touch fitting • ø6 One-touch fitting • ø8 One-touch fitting • ø10 One-touch fitting •

■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.



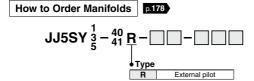


Made to Order



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

1 External Pilot



How to Order Valves

JSY 1 4 0 R T -5

JSY 5 4 0 R -5

Coil type (See below.)

Pilot type

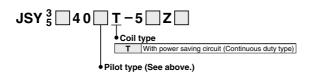
R External pilot

- * External pilot specification is not applicable for 4-position dual 3-port valves.
- * When pilot type "R" is selected, select the external pilot type "R" for the manifold model.

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 208 for details. 0.1 W: JSY3000/5000

How to Order Valves



* The type with a power-saving circuit is not available for the DIN terminal (D, Y), M8 connector (W, WA), and M12 connector (K) types.





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.

2. Manual override is used to switch the main valve without inputting an electrical signal for the valve. When manual operation is performed, the connected actuator will start operating, so be sure to confirm that it is safe to operate beforehand.

■Non-locking push type

Push down on the manual override button until it stops.

JSY1000 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.

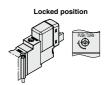
JSY1000 series





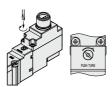
JSY3000/5000 series





JSY5000 series (DIN terminal, M12 connector type)

Locked position







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.

Manual Override

△ Warning

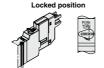
■ Push-turn locking lever type [E type]

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.

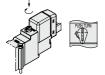
JSY1000 series

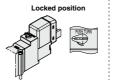




Carefully check the manual override projection amount. Max. (at OFF): 3.2 mm

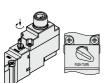
JSY3000/5000 series

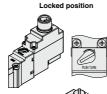




Carefully check the manual override projection amount Max. (at OFF): 3.2 mm

JSY5000 series (DIN terminal, M12 connector type)





Carefully check the manual override projection amount. Max. (at OFF): 4 mm

Used as a 3-Port Valve

⚠ Caution

■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.

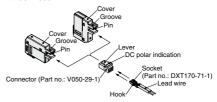
Plu	g position	B port	A port
Туре	of actuation	N.C.	N.O.
solenoids	Single	(A)4 2(B) (ZD-X 1 3(B) (EA)5 1 3(EB) (P)	(A)4 2(B) ZD 1 1 5 3 (EA)5 1 3(EB) (P)
Number of solenoids	Double	(A)4 2(B) (ZE) 1 (A)3 (EA)5 1 3(EB) (P)	(A)4 2(B) (ZD-A)4 (A) (EA)5 1 3(EB) (P)

How to Use L/M Plug Connector

1. Attaching and detaching connectors

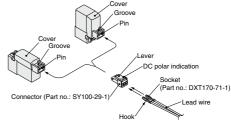
- To attach a connector, hold the lever and connector unit between your fingers and insert straight onto the pins of the solenoid valve so that the lever's pawl is pushed into the groove and locks.
- To detach a connector, remove the pawl from the groove by pushing the lever downward with your thumb,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





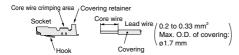
Be sure to read this before handling the products.

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

How to Use L/M Plug Connector

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.)



3. Attaching and detaching lead wires with sockets

Attaching

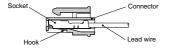
Insert the sockets into the square holes of the connector (\oplus, \ominus) indication), and continue to push the sockets all the way in until they lock by hooking into the seats in the connector.

(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 <how to Order> L/M Plug Connector For JSY1000 V050 - 30 - A - Lead wire length Symbol Rated voltage Lead wire color 4 DC Red, Black Symbol Red wire length Nil 300 mm

6

10

20

30

50

600 mm

1000 mm

2000 mm

3000 mm

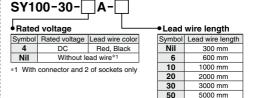
5000 mm

■For JSY3000/5000

Without lead wire*1

*1 With connector and 2 of sockets only

Nil



How to Order

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

<Example> Lead wire length 2000 mm

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





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.

Plug Connector

M8 Connector Type (JSY3000/5000), M12 Connector Type (JSY5000)

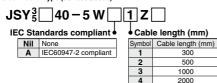
■ Connector cable

· Connector cable for M8/M12 can be ordered as follows:

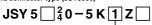
How to Order

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

M8 connector type (JSY3000/5000)



M12 connector type (JSY5000)



Cable length (mm)

5

6

Symbol	Cable length (mm)
1	300
2	500
3	1000
5	3000
7	5000

3000

4000 5000

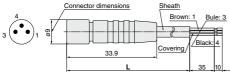
Ex. 1) Cable length: 300 mm

JSY3140-5W1Z

Symbol for electrical entry

2. To order connector cable only

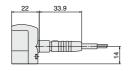




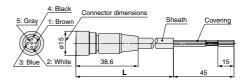
Cable length (L)	Part no.
300 mm	V100-49-1-1
500 mm	V100-49-1-2
1000 mm	V100-49-1-3
2000 mm	V100-49-1-4
3000 mm	V100-49-1-5
4000 mm	V100-49-1-6
5000 mm	V100-49-1-7

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

[Dimensions when installed]



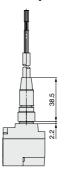
[M12 connector cable]



Cable length (L)	Part no.
300 mm	V100-200-5
500 mm	V100-200-5-5
1000 mm	V100-200-5-10
3000 mm	V100-200-5-30
5000 mm	V100-200-5-50

Sheath O.D.	ø6.5 mm
Cover diameter	ø1.8 mm
Conductor area	0.5 mm ²

[Dimensions when installed]



DIN Connector Part No.

. Caution

< Type D>

With light

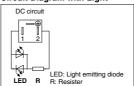
Rated voltage	Voltage symbol	Part no.
24 VDC	24V	SY100-61-3-05

< Type Y>

With light

······		
Rated voltage	Voltage symbol	Part no.
24 VDC	24VN	SY100-82-3-05

Circuit Diagram with Light





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.

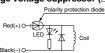
Surge Voltage Suppressor

⚠ Caution

<For DC>

L/M Plug Connector

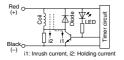
■ Polar type (For JSY3000/5000) With light/surge voltage suppressor (□Z)



- · Connect in accordance with the +, polarity indication.
- · When wiring is done at the factory, positive (+) is red and negative (-) is black.

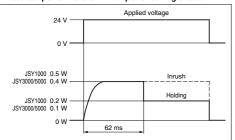
■ With power saving circuit (JSY3000/5000: Made to Order)

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>



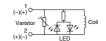
- Be careful not to reverse the polarity, since a diode to prevent the reversed current is not provided for the power saving circuit.
- Since the voltage will drop by approx. 0.5 V due to the transistor, pay attention to the allowable voltage fluctuation. (For details, refer to the solenoid specifications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

DIN terminal (JSY5000)

With surge voltage suppressor

With light/surge voltage suppressor (YZ



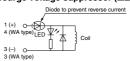


DIN terminal has no polarity.

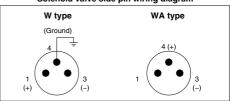
M8 Connector Type (JSY3000/5000)

■ Polar type

With light/surge voltage suppressor (□Z)



Solenoid valve side pin wiring diagram

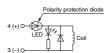


* The WA-type valve cannot be grounded.

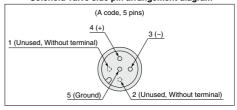
M12 Connector (JSY5000)

■ Polar type

With light/surge voltage suppressor (□Z)



Solenoid valve side pin arrangement diagram





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

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.

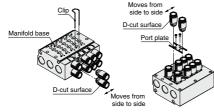
Use caution as it may cause air leakage if the clip and the plate are not inserted securely enough when they are switched. Refer to page 199 for part numbers of One-touch fittings.

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

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

∧ Caution

■ Tube attachment/detachment for One-touch fittings

1) Tube attachment

- 1. 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
 - 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

- 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.

Applicable Fittings: KQ2H, KQ2S, M Series

77										
Series	Model	Piping	Port	Fitting	Applicable tubing O.D.					
Selles	iviouei	port	size	riturig	ø2	ø4	ø6	ø8	ø10	ø12
		1P, 5EA	1/8	KQ2H						
		3EB	1/8	KQ2S		U				
2	JJ5SY1-40/41(R)	X, PE	M5	KQ2H						
∣ĕ				KQ2S		0				
JSY1000	Manifold base			KQ2H						
80		4A. 2B	M5	KQ2S						
		4A, 2B	МЗ	KQ2H	0					
			IVI3	KQ2S						

Series	Model	Piping	Port Fitting		Applicable tubing O.D.					
Selles	iviodei	port	size	Fitting	ø2	ø4	ø6	ø8	ø10	ø12
		1P, 5EA	1/4	KQ2H						
		3EB	1/4	KQ2S						
9	JJ5SY3-40/41(R)	X, PE	M5	KQ2H						
l ĕ				KQ2S						
JSY3000	Manifold base		4/0	KQ2H						
25		4A. 2B	1/8	KQ2S						
		4A, 2D	NAG	KQ2H						
			M5	KQ2S						

Series	Model	Piping	Port	Fitting	Applicable tubing O.D.					D.
Selles		port	size	Fitting	ø2	ø4	ø6	ø8	ø10	ø12
		1P, 5EA	3/8	KQ2H						
		3EB	3/0	KQ2S						=
8	JJ5SY5-40/41(R)	X, PE	M5	KQ2H						
00				KQ2S		П	П			
JSY5000	Manifold base		1/4	KQ2H						
S		4A. 2B	1/4	KQ2S						
		4A, 2B	1/8	KQ2H						
			1/8	KQ2S						



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

 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 2) Soft nylon tube within ± 0.1 mm

3) Polyurethane tube within ±0.1 mm

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.

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.

How to Use DIN Terminal

⚠ Caution

Connection

- Loosen the holding screw and pull the connector out of the solenoid valve terminal block.
- After removing the holding screw, insert a flat head screwdriver, etc. into the notch on the bottom of the terminal block and pry it open, separating the terminal block and the housing.
- 3. Loosen the terminal screws (slotted screws) on the terminal block, insert the cores of the lead wires into the terminals according to the connection method, and fasten them securely with the terminal screws.
- 4. Secure the cord by fastening the gland nut.

⚠ Caution

When making connections, take note that using other than the supported size (63.5 to 67) heavy duty cord will not satisfy IP65 (enclosure) standards. Also, be sure to tighten the gland nut and holding screw within their specified torque ranges.

Changing the entry direction

After separating the terminal block and housing, the cord entry can be changed by attaching the housing in the desired direction (4 directions at 90° intervals).

* Be careful not to damage the light with the cord's lead wires.

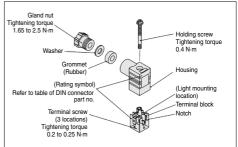
Precautions

Plug in and pull out the connector vertically without tilting to one side.

Compatible cable

Cord O.D.: ø3.5 to ø7

(Reference) 0.5mm², 2-core or 3-core, equivalent to JIS C 3306



Type "Y"

DIN connector type Y is a DIN connector that confirms to the DIN pitch 8-mm standard.

- D type DIN connector with 9.4 mm pitch between terminals is not interchangeable.
 To distinguish from the D type DIN connector, "N" is listed at the end of voltage symbol.
- To distinguish from the D type DIN connector, "N" is listed at the end of voltage symbol.
 Dimensions are completely the same as D type DIN connector.
 When replacing only the pilot valve assembly, it is interchangeable with the V115, but be
- aware that a V111 cannot be replaced with a V115 (and vice versa).





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.

M8 Connector

 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)
- 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-□). 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.



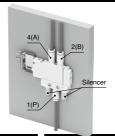


Compact 5-Port Solenoid Valve

JSY1000/3000/5000 Series

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

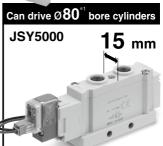
Wall mounting is possible.



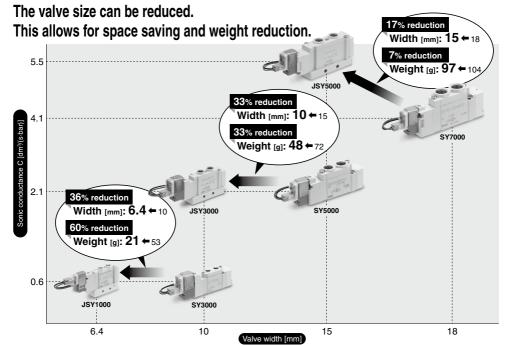








*1 The cylinder speed is 300 mm/s.



∂SMC

JSY1000/3000/5000 Series Valve Specifications

Valve Specifications

	Va	ve type		Rubber seal			
Fluid	• •	,рс		Air			
			O manisiam ainmin	0.15 to 0.7			
Internal pilot		- F	2-position single	0.1 to 0.7			
			2-position double	******			
Ambient and fluid temperatures [°C]			1	-10 to 50 (No freezing)			
Max. operating frequency	JSY1		2-position single/double	5			
[Hz]	JSY5	000	2-position single/double	5			
				Non-locking push type			
Manual override				Push-turn locking slotted type			
				Push-turn locking lever type			
Pilot exhaust type	Inter	nal pilot		Individual exhaust			
Lubrication				Not required			
Mounting orientation	*1			Unrestricted			
Impact/Vibration resi	stance	e*1 [m/s ²]	150/30			
Enclosure				IP40: L plug connector (L), M plug connector (M)/IP65: DIN terminal (D) (Y), M12 connector (K)			
Electrical entry				L plug connector (L), M plug connector (M), DIN terminal (D, Y), M12 connector (K)			
Coil rated voltage [V	<u> </u>			24 VDC			
	·		JSY1000	-7% to +10% of the rated voltage (24 VDC)			
Allowable voltage flu	ctuati	on	JSY3000/5000	±10% of rated voltage			
		Standar	d JSY3000/5000	0.4 (DIN terminal: 0.35 W [Without light], 0.45 [With light])			
Power consumption DC With po		With po	wer- JSY1000	0.2*2 [Inrush: 0.5, Holding: 0.2]			
[W] saving JSY3000/5000 (Made to Order)		JSY3000/5000	0.1*3 [Inrush: 0.4, Holding: 0.1]				
Surge voltage suppressor				Diode (Varistor for the DIN terminal type)			
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 one-sweep test between 45 and 2000 Hz. Test was performed at both an energized and a de-energized state in the axial direction and at a right angle to the main valve and armature. (Value in the initial state)

Response Time/Valve Weight

Body Ported

				Response time [ms] (at 0.5 MPa)*1 Standard	Valve weight [g]		
Series	Series Seal type Model		Type of actuation	With light/surge voltage suppressor	L/M plug connector	DIN terminal	K M12 connector
				Z type	Connector		WITZ CONNECTOR
JSY1000		JSY1120T	2-position single	15	21		
3311000		JSY1220T 2-position do		5	28		
JSY3000	Rubber seal	JSY3120	2-position single	27	48	_	_
3313000	nubbei seai	JSY3220	2-position double	10	63]	
JSY5000		JSY5120	2-position single	42	97	125	119
JS 15000		JSY5220	2-position double	13	113	169	157

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

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

^{*3} The type with a power-saving circuit is not available for the DIN terminal and M12 connector types.

^{*4} For details, refer to page 208.

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
		JSY1000	M5 x 0.8
	1(P), 3/5(E) port	JSY3000	1/16
Port size		JSY5000	1/8
Port Size		JSY1000	M3 x 0.5, M5 x 0.8
	4(A), 2(B) port	JSY3000	1/16
		JSY5000	1/8

Flow Rate Characteristics

	Port siz		Valve flow rate characteristics					
Model	1, 5, 3 (P, EA, EB) 4, 2 (A, B)		1 → 4/2 (P →	A/B)	4/2 → 5/3 (A/B → 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

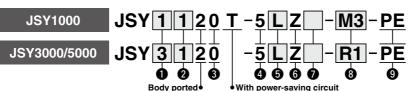
Type 20 Top Ported Non Plug-in Body Ported

Single Unit (For Mounting P.E Plate)

RoHS

JSY1000/3000/5000 Series

How to Order Valves



1 JSY1000 3 JSY3000 5 JSY5000

2 T	ype of actuation
1	2-position single
2	2-position double

3 Body option Pilot valve exhaust method



5 Electrical entry

	L plug co	onnector	M plug c	onnector
	L	LO	M	MO
JSY1000	L: With lead wire (300 mm)	LO: Without connector	M: With lead wire (300 mm)	MO: Without connector
JSY3000 JSY5000	L: With lead wire (300 mm)	LO: Without connector	M: With lead wire (300 mm)	MO: Without connector

	DIN terminal (JSY5000 only)	M12 connector	(JSY5000 only)
	D, Y	DO, YO	K□	ко
JSY1000 JSY3000	_	-	-	-
JSY5000		DO, YO: Without connector	KD: With connector cable	KO: Without connector cable

- Refer to page 206 for the lead wire length of L and M plug connectors
 "Y" type is a DIN terminal conforming to EN-175301-803C (former
- DIN43650C). For details, refer to page 210.
- * For connector cable of M12 connector, refer to page 207.
- * Refer to page 208 for polarity and pin arrangement examples.
- * Enter the cable length symbols in □. Please be sure to fill in the blank referring to page 207.

⚠ Caution

If the JSY3000/5000 series is to be continuously energized, please be sure to select the power-saving 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 (Refer to page 222 for details.)

Specification

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

6 Light/surge voltage suppressor

Elect	rical entry for L, M, K
Z	With light/surge voltage suppressor

Electrical entry for D, Y

S	With surge voltage suppressor (Non-polar type)
Z	With light/surge voltage suppressor (Non-polar type)

- * Only "DOS" and "YOS" are available for the S type.
- DOZ and YOZ are not available.

Manual override

Nil: Non-locking push type Push-turn locking slotted type Push-turn locking lever type Nil: Non-locking push type D: Push-turn locking lever type Nil: Non-locking lever type			
push type Push-turn locking locking slotted Push-turn locking lever	JSY1000	Push-turn locking slotted	Push-turn locking lever
	JSY3000 JSY5000	Push-turn locking slotted	Push-turn locking lever

8 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	Bc1/8	_		•

With P.E plate

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

⚠ 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 pcs.)
- *1 Tightening torque: 2 to 3 N·m (One-touch fitting)

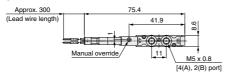
Non Plug-in Body Ported JSY1000/3000/5000 Series

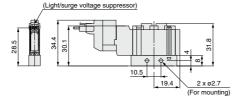
Dimensions: JSY1000 Series

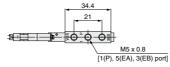


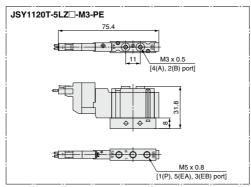


2-position single/L plug connector (L) JSY1120T-5LZ□-M5-PE

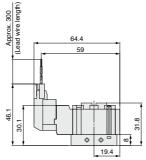








M plug connector (M) JSY1120T-5MZ□-M5-PE



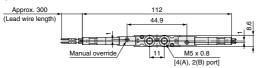


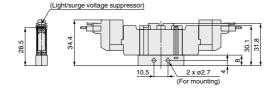
Dimensions: JSY1000 Series

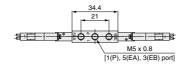
Body Ported Single Unit Type 20/Top Ported Port Size: M3, M5

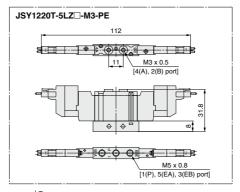


2-position double/L plug connector (L) JSY1220T-5LZ□-M5-PE

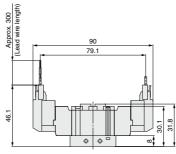








M plug connector (M) JSY1220T-5MZ□-M5-PE



Non Plug-in Body Ported JSY1000/3000/5000 Series

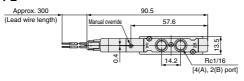
Dimensions: JSY3000 Series

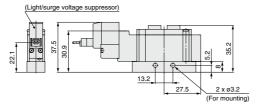


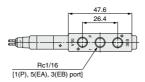
Body Ported Type 20/Top Ported Single Unit Port Size: Rc1/16



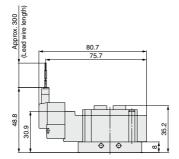
2-position single/L plug connector (L) JSY3120-5LZ□-R1-PE







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



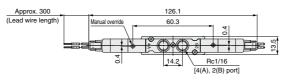


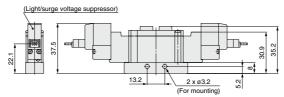
Dimensions: JSY3000 Series

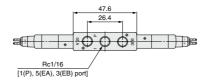
Body Ported Single Unit Type 20/Top Ported Port Size: Rc1/16



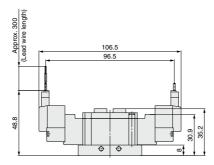
2-position double/L plug connector (L) JSY3220-5LZ□-R1-PE







M plug connector (M) JSY3220-5MZ□-R1-PE



Non Plug-in Body Ported JSY1000/3000/5000 Series

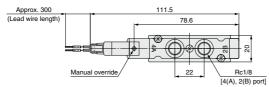
Dimensions: JSY5000 Series

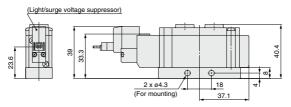


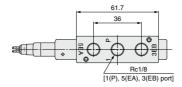
Body Ported Type 20/Top Ported Single Unit Port Size: Rc1/8



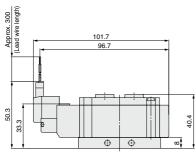
2-position single/L plug connector (L) JSY5120-5LZ -01-PE



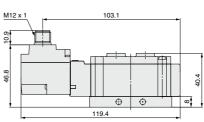


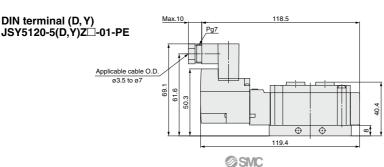


M plug connector (M) JSY5120-5MZ□-01-PÉ



M12 connector (K) JSY5120-5KOZ -01-PE

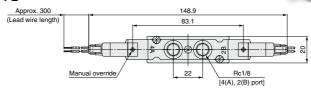


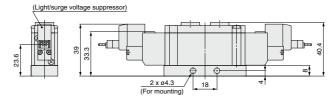


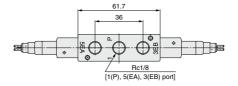
Dimensions: JSY5000 Series

Body Ported Type 20/Top Ported Single Unit Port Size: Rc1/8

2-position double/L plug connector (L) JSY5220-5LZ□-01-PE

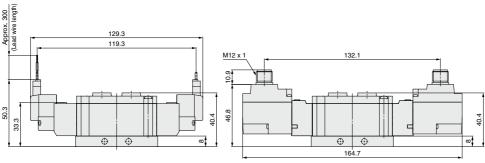


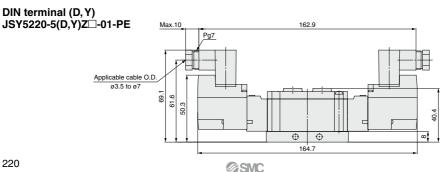




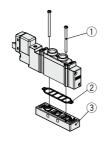
M plug connector (M) JSY5220-5MZ□-01-PE

M12 connector (K) JSY5220-5KOZD-01-PE



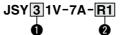


Non Plug-in Single Unit Parts Nos.



	No.	Description	Part number			Note
NO.		Description	JSY1000	JSY3000	JSY5000	Note
	1	Valve mounting screw	JSY11V-23-3A (M1.4 x 24.5)	JSY31V-23-7A (M2 x 27)		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.)
		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



1 Series

1	JSY1000
3	JSY3000
5	JSY5000

2 Thread piping

Symbol	Thread piping	JSY1000	JSY3000	JSY5000
M5	M5 x 0.8	•	_	_
R1	Rc1/16	_	•	_
01	Rc1/8	_	_	•

JSY1000/3000/5000 Series Made to Order





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
$$\frac{3}{5}$$
 20 T - 5 Z - PE

Coil type

T With power-saving circuit (Continuous duty type)

* The type with a power-saving circuit is not available for the DIN terminal (D, Y) and M12 connector (K) types.