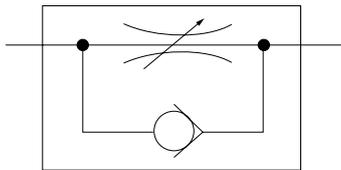


SPEED CONTROLLERS WITH QUICK FITTINGS

Low Speed Control Type

- Speed controllers with quick fittings now available in new size of ϕ 1.8mm [0.071in.].
- More variation, with seven models available for ϕ 1.8mm [0.071 in.], ϕ 3mm [0.118in.], and ϕ 4mm [0.157in.] tubes.
- Offers best match for compact cylinders (Mini Guide Cylinders, Mini Bit Cylinders, etc.).

Symbol



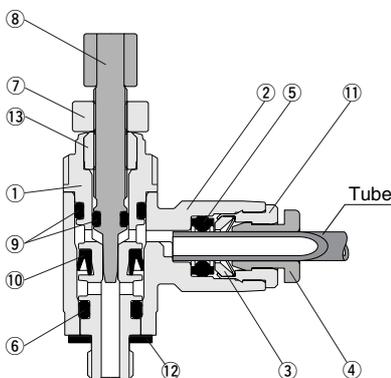
Specifications

Item	Applicable tube size mm [in.]	ϕ 1.8 [0.071]	ϕ 3 [0.118]	ϕ 4 [0.157]
Media		Air (Can not be used in vacuum system)		
Operating pressure range		0 ~ 0.9MPa [0 ~ 131psi.]		
Cracking pressure		0.05MPa [7.3psi.]		
Operating temperature range		0 ~ 60°C [32 ~ 140°F]		
Recommended tube ^{Note}		Urethane tube		Urethane tube, soft nylon tube, nylon tube
Sales unit		1 pc.		

Remark: Supplied with a gasket (excluding **SSUC**□).

Note: Use tubes manufactured by Koganei. Be aware, however, that the conductive urethane tube **U2A-B** cannot be used.

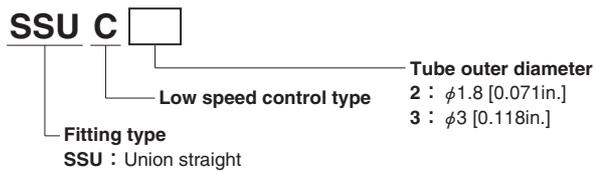
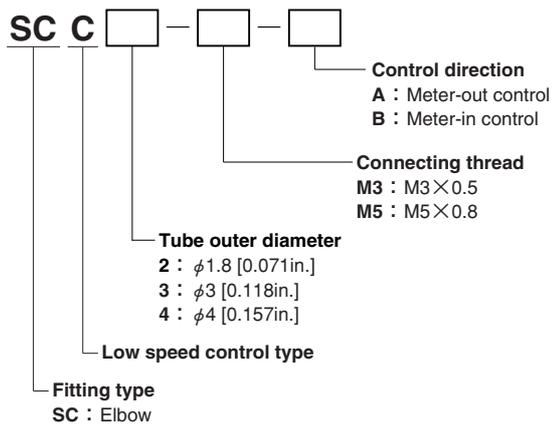
Inner Construction and Major Parts



No.	Name	Material
①	Metal body	Stainless steel ^{Note}
②	Plastic body	Polybutylene terephthalate
③	Lock claw	Stainless steel
④	Release ring	Polyacetal
⑤	Elastic sleeve	Synthetic rubber (NBR)
⑥	O-ring	Synthetic rubber (NBR)
⑦	Lock nut	Stainless steel
⑧	Needle	Stainless steel
⑨	O-ring	Synthetic rubber (NBR)
⑩	Diaphragm	Synthetic rubber (H-NBR)
⑪	Guide ring	Brass (electroless nickel plated)
⑫	Gasket	Stainless steel and synthetic rubber (NBR)
⑬	Upper plug	Stainless steel

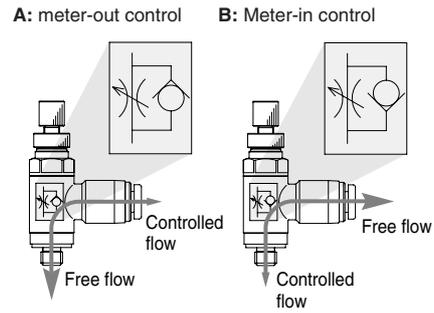
Note: The connecting screw **M5** and the union type **SSUC** are made of brass (electroless nickel plated).

Order Codes

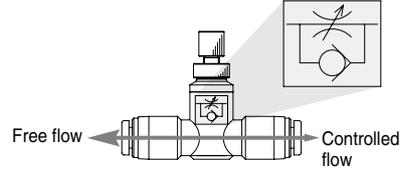


Body Configuration and Control Direction

● Elbow type SCC



● Union Type SSUC



Remark: For the control direction, check the symbol on the main body.

● SCC Elbow



Tube size	Thread size	
	M3×0.5	M5×0.8
2	M3	M5
3	M3	M5
4	M3	— ^{Note}

● SSUC Union straight

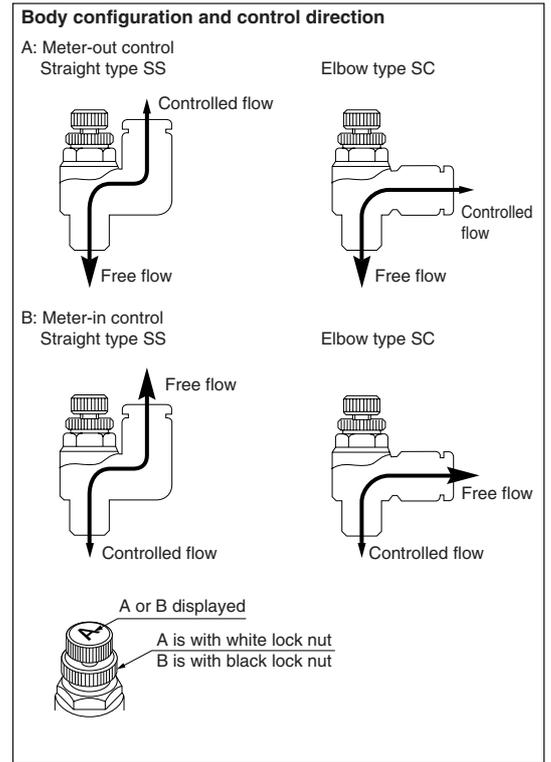
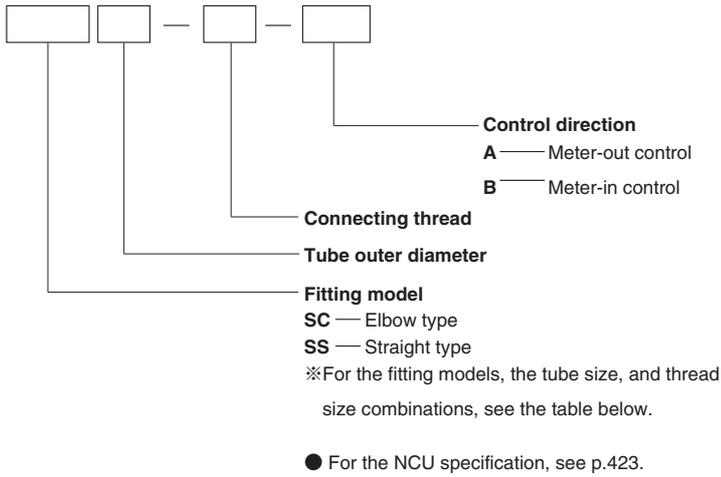


Tube size
2
3

Note: For tube sizes φ 4 [0.157in.] to φ 10 [0.394in.], see p.1540~1542 in the Actuators General Catalog.

Order Codes

● Standard type



● SC Elbow 408



Tube size	Thread size				
	M5×0.8	R1/8	R1/4	R3/8	R1/2
4	M5	01	—	—	—
6	M5	01	02	03	—
8	—	01	02	03	04
10	—	—	02	03	04
12	—	—	—	03	04

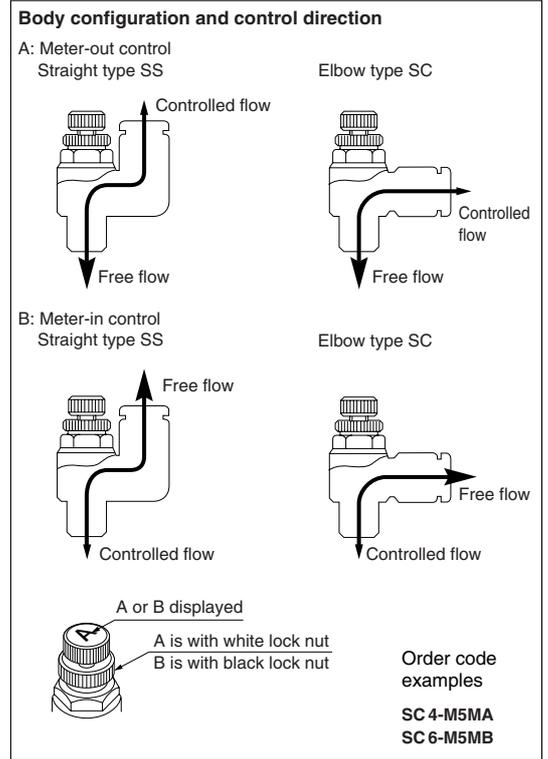
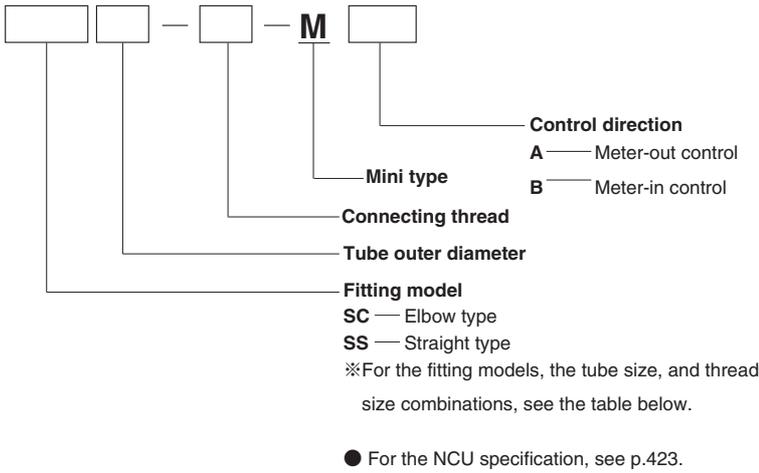
● SS Straight 409



Tube size	Thread size				
	M5×0.8	R1/8	R1/4	R3/8	R1/2
4	M5	01	—	—	—
6	M5	01	02	—	—
8	—	01	02	03	—
10	—	—	02	03	—
12	—	—	—	03	04

Order Codes

● Mini Type



SPEED CONTROLLERS WITH QUICK FITTINGS

● SC Elbow 410



Tube size	Thread size			
	M3×0.5	M5×0.8	R1/8	R1/4
3	M3	M5	—	—
4	M3	M5	01	—
6	—	M5	01	02

● SS Straight 410



Tube size	Thread size			
	M3×0.5	M5×0.8	R1/8	R1/4
3	M3	M5	—	—
4	M3	M5	01	—
6	—	M5	01	—

● Union straight type

SSU []



Tube outer diameter

4 — ϕ 4
6 — ϕ 6
8 — ϕ 8
10 — ϕ 10
12 — ϕ 12

Union straight type

● For the dimensions, see p.411.
● For the NCU specification, see p.423.

Caution: For the union straight type, no order code is available for control direction.
To determine the mounting direction, check the speed controller's symbol on the side of the body.

Speed Controller

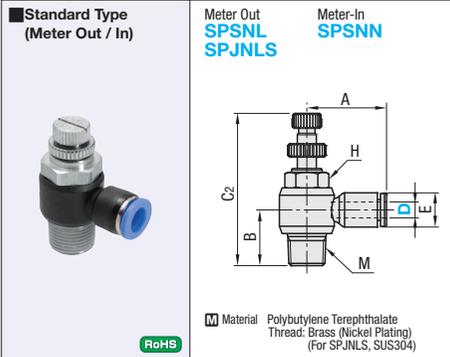
Flow Rate Control Valves with One-Touch Coupling

MISUMI C-VALUE Speed Controller

Points of Comparison Versus Similar Products | Compared to the C-VALUE part, the adjustment finger part is made of metal and is strong enough for repeated adjustments. It has also been plated to improve corrosion-resistant properties.

Points of Comparison Versus Similar Products | Compared to the conventional high quality part, this is an economy part. It has not received RoHS Directive Inspection.

Similar Product Page P.1513

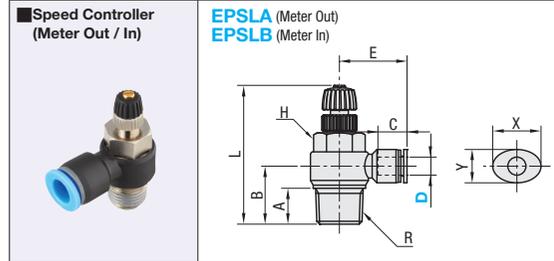


Part Number	Nominal	Color (*)	A	B	C ₂	E	Wrench Flats H	Thread Size M	Mass (g)	SPSNL SPSNN		SPJNLS	
										Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
SPSNL SPSNN (Meter Out)	4	M5	19.1(20.8)	10(12.4)	29.45(30.2)	9(10)	8	M5x0.8	9				
			20.9(23.1)	14.65(16.2)	40.05(38.4)	9(10)	10(13)	R1/8	21				
	6	M5	20.95(22.3)	11.2(12.2)	29.45(30.2)	11.2(12.5)	8	M5x0.8	10				
			21.95(24.1)	14.65(15.7)	40.05(38.4)	11.2(12.5)	10(13)	R1/8	22				
	8	M5	23.95(25.8)	18.2(20.0)	48(45.7)	11.2(12.5)	14(16)	R1/4	38(40)				
			25.1(25.3)	15.65(15.4)	40.05(38.4)	13.6(14.5)	10(13)	R1/8	23				
	10	M5	27.6(27.2)	19.3(19.0)	48(45.7)	13.6(14.5)	14(16)	R1/4	41				
			28.6(29.5)	21.4(21.3)	54.2(52.4)	13.6(14.5)	19	R3/8	71(65)				
	12	M5	29.6(29.9)	20.8(19.0)	48(45.7)	16.3(17.5)	14(16)	R1/4	46(44)				
			30(31.7)	23(21.8)	54.2(52.4)	16.3(17.5)	19	R3/8	74(68)				
	12	M5	32.9(33.9)	26.5(25.2)	59.8(58.8)	16.3(17.5)	24	R1/2	106(112)				
			35.9(32.0)	24.7(21.7)	54.2(52.4)	19.7(20.0)	19	R3/8	77(69)				
12	M5	38.9(35.2)	28.2(25.7)	59.8(58.8)	19.7(20.0)	24	R1/2	109(113)					

Dimensions in () are for SPJNLS.
 The picture and drawing indicate SPSNN and SPSNN.
 For SPJNLS, refer to the CAD data.
 For SPSNN (Meter-In), the ring is red.
 * Color is applicable to SPJNLS only.

Specifications
 Applicable Fluid: Air
 Operating Temp. Range: 0 ~ 60°C
 Operating Pressure Range: 0.05~0.7MPa

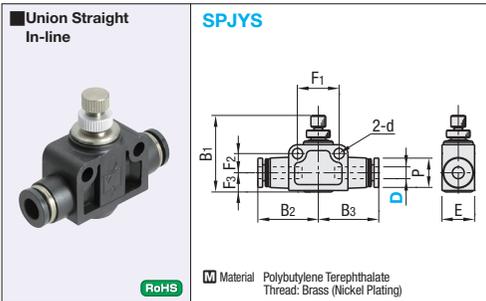
Ordering Example: Part Number - Nominal - Color
 SPSNL4 - M5



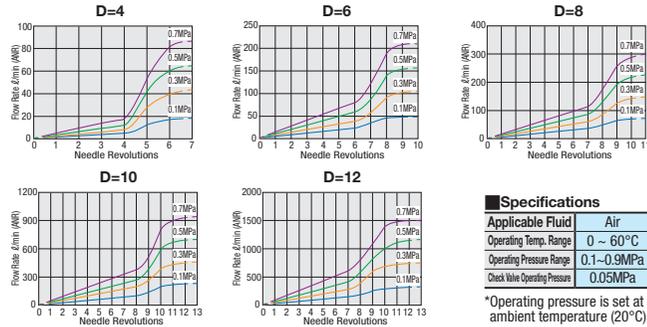
Part Number	Type	Applicable Tube O.D. D	Thread Size Nominal	L		A	B	E	C	H	X	Y	Unit Price	
				(MIN)	(MAX)								EPSLA	EPSLB
EPSLA (Meter Out) EPSLB (Meter In)	4	M5	R1/8	29	32	4	10.7	20	15	8	11.9	10.5		
				38	44	8	15	22	15	10	11.9	10.5		
	6	M5	R1/8	29	32	4	12	22	15	8				
				38	44	8	15	23	15	10	14	13		
	8	M5	R1/4	44	51	11	19	25	15	14				
				44	51	11	20	28	17	14	16	14		
	10	M5	R1/4	44	51	11	21	23	21	14				
				44	51	11	23	33	21	19	20	17		
	12	M5	R3/8	49	55	12	24	35	22	19	23	21		
				49	55	12	24	35	22	19	23	21		

*marked sizes are only available for Meter Out. There are no Meter-In for these sizes.

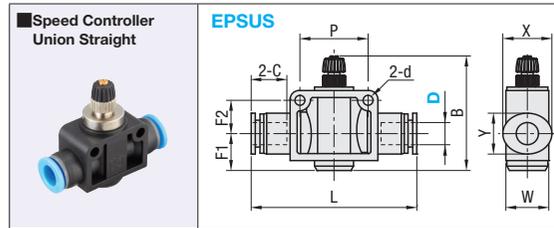
Ordering Example: Part Number - Thread Nominal
 EPSLA8 - 1



Part Number	Type	D	B ₁		B ₂	B ₃	P	E	d	F ₁	F ₂	F ₃	Mass (g)	Unit Price	Volume Discount Rate
			Max.	Min.											
SPJYS	4	M5	28.6	25.9	20.4	20.4	10.5	11	3.2	14	6.5	6.5	13		
			41.5	35.7	24.9	24.9	13	15	4.3	20	8.5	11	29		
	6	M5	46	39.8	27.4	27.4	15	18	4.3	22	9.5	12	43		
			55.6	48	31.7	31.7	18	21	4.3	26	11	12	71		
	8	M5	55.6	48	31.7	31.7	18	21	4.3	26	11	12	71		
			55.9	48.4	37.2	37.2	21	28	4.3	32	13	16	115		



Ordering Example: Part Number
 SPJYS10



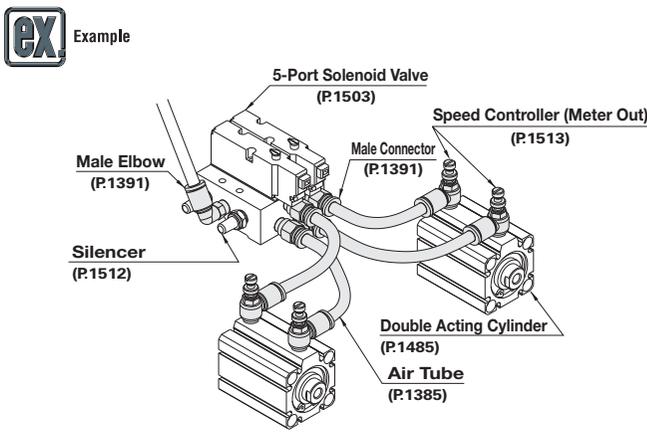
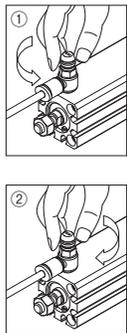
Part Number	Type	Applicable Tube O.D. D	B		L	P	C	F ₁	F ₂	W	X	Y	d	Unit Price
			(MIN)	(MAX)										
EPSUS	4	M5	28	31	40	14	14	6.5	6.5	12	12	11	3.2	
			41	48	48	20	16	11	9	15	14	13	4.3	
			44	52	52	22	17	12	10	18	16	14	4.3	
			48	55	55	26	20	13	11	21	20	17	4.3	
			52	58	58	32	22	16	13	28	23	21	4.3	

Ordering Example: Part Number
 EPSUS10

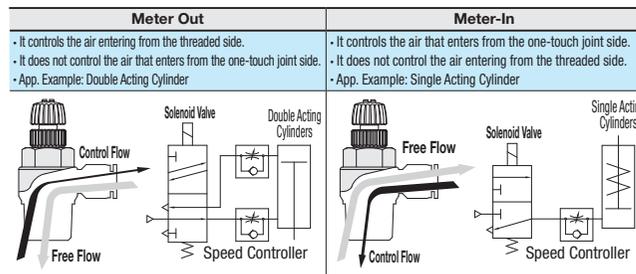
Speed Adjusting Method

* It is necessary to adjust on both the cylinder rod push-out side and return side.

- When Increasing the Speed (Clockwise)
 - Close all needles.
 - Rotate anti-clockwise to increase the speed. Rotate slowly.
 - When desired speed is reached, tighten the Lock Nut.
- When Decreasing the Speed (Clockwise)
 - Rotate clockwise to decrease speed.
 - When desired speed is reached, tighten the Lock Nut.



Meter Out / In



* Meter Out Type has "OUT" printed on the unit.

Speed Controller Part Diagram

No.	Part Name	Material	No.	Part Name	Material
①	Elastic Sleeve	NBR	⑧	Diaphragm	NBR
②	Lock Pawl	Stainless Steel	⑨	Resin Body	PBT
③	Release Ring	POM	⑩	O-Ring	NBR
④	Tube	PU / Nylon, etc.	⑪	Metal Body	Brass
⑤	Guide Ring	Zinc	⑫	Lock Nut	Aluminum
⑥	Seal Coating	PTFE	⑬	Needle	Brass
⑦	Metal Body	Brass	⑭	Leveling Nut	PA66

* If the thread size is M5, fit an O-Ring (NBR) to the base of the thread.

Tightening Torque Table

Type of Thread	Thread Size (symbol)	Tightening Torque	
		(kgf.cm)	(N)
Metric Thread	M5	15~19	1.4~1.8
	R1/8(1)	70~90	7~9
	R1/4(2)	120~140	12~14
	R3/8(3)	220~240	22~24
Taper thread (R)	R1/2(4)	280~300	27~29

- Precautions for Use**
 (One-Touch Coupling / Speed Controller)
- Do not excessively twist, bend or pull on the joint body as it could cause damage.
 - When tightening threads, refer to the tightening torque table above.
 - Over-tightening could cause thread breakage and gasket deformation, which could cause leaks.
 - Under-tightening could result in looseness in the threaded sections, which could cause leaks.
 - (Speed Controller)
 - Do not use for the purpose of making the flow rate zero.

Speed Controller / Valve with Adjusting Dial

Flow Rate Control Valves with One-Touch Coupling

Miniature

Meter Out
MNSPS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

RoHS

Part Number Type	D	Nominal	A	B	C2	E	Wrench Flats H	Thread Size M	Mass (g)	Max. tightening torque (K·g·cm)	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
		M5	15.7	9.9	30.5	8.0	8	M5x0.8	8	12		
	6	M5	16.7	9.9	30.5	10.4	8	M5x0.8	10.4	12		

Straight

Meter Out
SPSNS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

RoHS

Part Number Type	D	Nominal	A	B	C2	E	Wrench Flats H	T	Thread Size M	Mass (g)	Control Type	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
		M5	35.2	11.4	29.12	11.9	8	15.9	M5x0.8	29.2			
	6	1	38.65	14.85	34.05	11.9	10	18.1	R1/8	34.1			
		2	42.2	18.4	42.4	11.9	14	20.1	R1/4	42.4			
	8	1	40.15	14.85	33.87	13.9	10	18.1	R1/8	33.9			
		2	49.2	18.4	42.32	13.9	14	20.18	R1/4	42.4			
		3	45.9	20.6	47.6	13.9	19	22.5	R3/8	47.7			
	10	2	46.4	18.4	42.32	16.9	14	20.1	R1/4	42.4			
		3	48.6	20.6	47.6	16.9	19	22.5	R3/8	47.7			

For SPSNS, the tube connection port will not move.

Miniature Straight

Meter Out
MNSPJS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

RoHS

Part Number Type	D	Nominal	Color	A	B	C1	C2	E	Wrench Flats H	T	Thread Size M	Mass (g)	Control Type	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
		M3	B (Black)	28.3	11.4	25.1	27.6	7.9	7	9.3	M3x0.5	7.7			
		M5	W (White)	29	12.4	27.2	30.2	8.8	8	11.2	M5x0.8	14			
	6	M5	W (White)	30.6	12.4	27.2	30.2	10.8	8	11.2	M5x0.8	15			

In-line

SPJNSC

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

RoHS

Part Number Type	D	Color	A		B	Mass (g)	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
			Min	Max				
SPJNSC	4	B (Black)	48.8	52.3	10	13.9		
	6	W (White)	52	57	12	18.8		
	8	W (White)	63	68	15	31		

Miniature In-Line

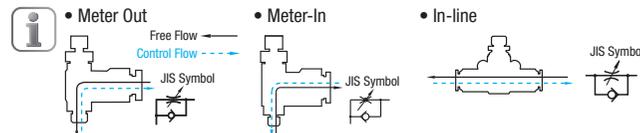
SPJNSK

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

RoHS

Part Number Type	D	Color	A		B	C	E	Wrench Flats H	Thread Size M	Mass (g)	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
			Min	Max								
SPJNSK	4	B (Black)	39.8	43.3	4	10	10	9	M5x0.8	12.5		
	6	W (White)	42.8	46.3	4	12	10	9	M5x0.8	13.4		

Ordering Example
Part Number - Nominal - Color
SPSNS6 - M5 - W
MNSPJS6 - M5 - W



Specifications

Applicable Fluid	Air
Operating Temp. Range	0 ~ 60°C
Operating Pressure Range	0.05 ~ 0.7MPa

Low-height

Meter Out
SPCNLH

Material: Body: SUS303
Thread: Brass (Nickel Plating)
For M3 only Body, Thread: SUS303

RoHS

Part Number Type	D	Nominal	A	B	C	E	Wrench Flats H	L	Thread Size M	Mass (g)	Unit Price 1 - 9 pc(s)	Volume Discount Rate 10-30
		M5	21.5	16.4	8	11.5	10	13.5	M5x0.8	17.9		
		1	23.5						R1/8	21.7		
	6	M5	22.5	16.5	10	12.6	10	13.5	M5x0.8	21.2		
		1	26.0					16.0	R1/8	24.2		

Specifications
Applicable Fluid: Air
Operating Temp. Range: -5 ~ 60°C
Operating Pressure Range: 0.05 ~ 0.7MPa
*Operating pressure is set at ambient temperature (20°C).

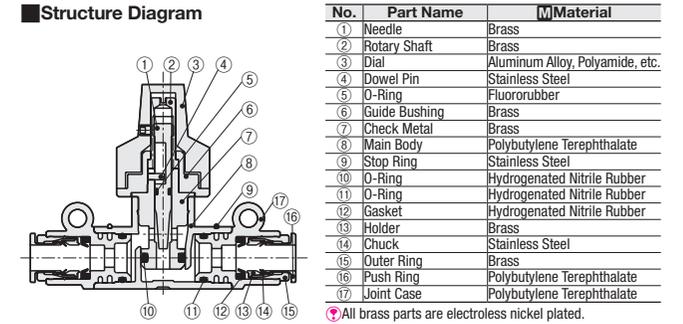
Valve with Adjusting Dial

NBDY

RoHS

Part Number Type	D	A	B	E	F	H	d	J	K	L	Unit Price 1 - 4 pc(s)	Volume Discount Rate 5-10
	6	45.5	17	8.1	11.6	49.5		12	16.2	30.8		
	8	50	22.5	9.5	13.1	66.5		15	19	41		
	10	58	29	11.5	15.1	75		20	23	47		
	12	58	29	11.5	15.1	79		20	23	47		

Specifications
Applicable Fluid: Air / N2 Gas / Vacuum
Operating Temp. Range: 5 ~ 60°C (Non-Freezing)
Max. Operating Pressure: 0.7MPa
Negative-pressure: -100kPa
Guaranteed Withstand Pressure: 1.5MPa

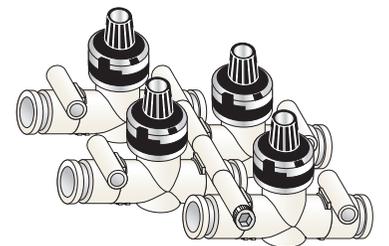
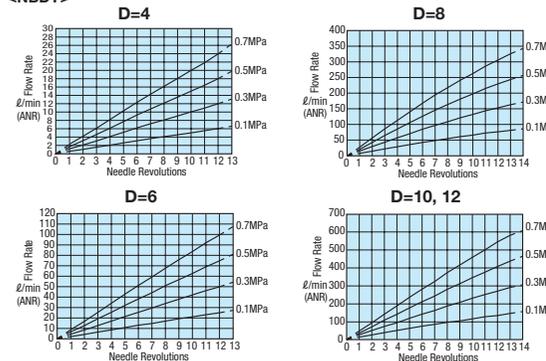


Features
• Linear flow rate characteristics proportional to needle revolutions.
• Dial display makes it easy to control value of flow rate.
• Mounting part with 360° turn provides free mounting.
• Slide locking lever provides easy locking.

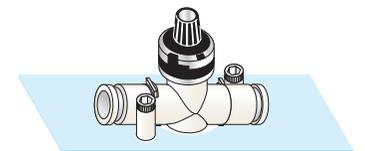


PRECAUTIONS
• Throttle valves for controlling both right and left sides flow rate.
• Not applicable as a stop valve which requires no leakage.
• Fix the dial with slide locking lever after adjusting flow rate.
• Tighten the mounting screw at 0.8N·m or lower.

Flow Rate Characteristics
<NBDY>



Manifolds



Bottom Side Mounting Example

Speed Controller

Flow Rate Control Valves with One-Touch Coupling

Points of comparison against similar products | Compared to the C-VALUE products, this type of controller can withstand more frequent repeated adjustment, because the adjusting knob is made of metal, and is more excellent in abrasion resistance, because the whole body is plated.

Standard Type (Meter Out / In)

Meter Out **SPSNL**
SPJNLS

Meter In **SPSNN**

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)
(For SPJNLS, SUS304)

RoHS

Part Number	Nominal	Color (*)	A	B	C ₂	E	Wrench Flats H	Thread Size M	Mass (g)	SPSNL		SPJNLS	
										Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
4	M5		19.1 (20.8)	10 (12.4)	29.45 (30.2)	9 (10)	8	M5x0.8	9				
1			20.9 (23.1)	14.65 (16.2)	40.05 (38.4)	9 (10)	10 (13)	R1/8	21				
6	M5		20.95 (22.3)	11.2 (12.2)	29.45 (30.2)	11.2 (12.5)	8	M5x0.8	10				
1			21.95 (24.1)	14.65 (15.7)	40.05 (38.4)	11.2 (12.5)	10 (13)	R1/8	22				
2			23.95 (25.8)	18.2 (20.0)	48 (45.7)	11.2 (12.5)	14 (16)	R1/4	38 (40)				
1		(Black)	25.1 (25.3)	15.65 (15.4)	40.05 (38.4)	13.6 (14.5)	10 (13)	R1/8	23				
8			27.6 (27.2)	19.3 (19.0)	48 (45.7)	13.6 (14.5)	14 (16)	R1/4	41				
3		(White)	28.6 (29.5)	21.4 (21.3)	54.2 (52.4)	13.6 (14.5)	19	R3/8	71 (65)				
2			29.6 (29.9)	20.8 (19.0)	48 (45.7)	16.3 (17.5)	14 (16)	R1/4	46 (44)				
3			30 (31.7)	23 (21.8)	54.2 (52.4)	16.3 (17.5)	19	R3/8	74 (68)				
4			32.9 (33.9)	26.5 (25.2)	59.8 (58.8)	16.3 (17.5)	24	R1/2	106 (112)				
3			35.9 (32.0)	24.7 (21.7)	54.2 (52.4)	19.7 (20.0)	19	R3/8	77 (69)				
4			38.9 (35.2)	28.2 (25.7)	59.8 (58.8)	19.7 (20.0)	24	R1/2	109 (113)				

Ordering Example

Part Number - Nominal - Color

SPSNL4 - M5

Specifications

Applicable Fluid: Air
Operating Temp. Range: 0 ~ 60°C
Operating Pressure Range: 0.05~0.7MPa

Dimensions in () are for SPJNLS.
The picture and drawing indicate SPSNL and SPSNN. For SPJNLS, refer to the CAD data.
For SPSNN (Meter-In), the ring is red.
* Color is applicable to SPJNLS only.

Union Straight In-line

SPJYS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

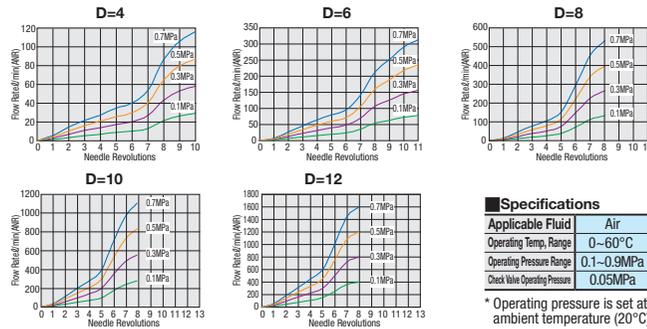
RoHS

Part Number	Type	D	B ₁		ØP	T	C	Ød	F ₁	F ₂	Mass (g)	Unit Price	Volume Discount Rate
			Max.	Min.									
4		21	18.6	21	10	10.5	14.9	3.2	12.7	4.8	8.9		
6		25.4	21.6	24.4	12.5	13.1	17	3.2	14.8	6.2	14		
8		28.5	24.9	28	14.8	15.4	18.1	3.2	18.2	7.2	25		
10		32.6	28.9	31.8	18.2	19.7	20.2	4.2	22.2	8.7	46		
12		35.2	31.5	36.9	21.2	22.7	23.4	4.2	25.7	10.2	65		

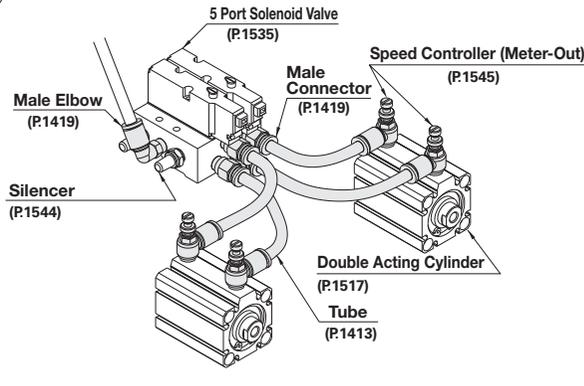
Ordering Example

Part Number

SPJYS10



Example

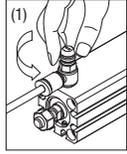


Speed Adjusting Method

* It is necessary to adjust on both the cylinder rod push-out side and return side.

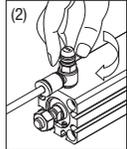
(1)When Increasing the Speed

1. Close all needles. (Clockwise)
2. Rotate counterclockwise to increase the speed. Rotate slowly.
3. When desired speed is reached, tighten the Lock Nut.

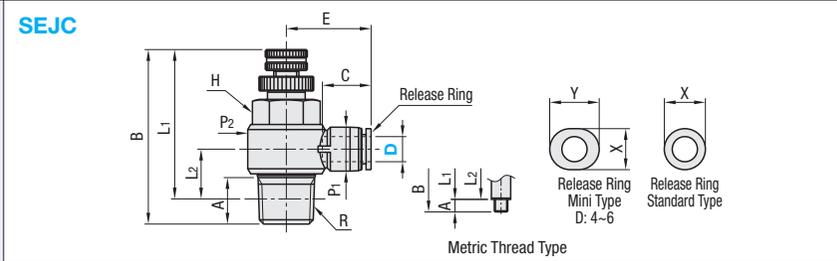


(2)When Decreasing the Speed

1. Rotate clockwise to decrease speed.
2. When desired speed is reached, tighten the Lock Nut.

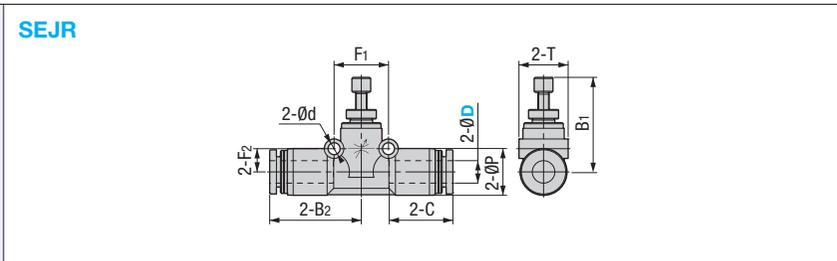


Throttle Valves



Part Number Type	D	Nominal	R	A	B		L1		L2	P1	P2	C	E	Opposite Side H	X	Y	Mass (g)	Unit Price (1-9 pc(s))	Volume Discount Rate (10-30)	
					Max	Min	Max	Min												
SEJC	4	M5	M5x0.8	2.9	29.7	27	26.8	24.1	6.7	8	9.8	11	15.4	8	7.8	9.8	7.9			
		1	R1/8	8	41.3	35.2	37.3	31.2	10.7		14.4		17.7				10			18
	6	M5	M5x0.8	2.9	29.7	27	26.8	24.1	7.58	10.5	14.4	11.6	17.5	8	9.8	11.8	19			
		1	R1/8	8	41.3	35.2	37.3	31.2	11.9		18.4		20.2				14			37
	8	1	R1/8	8	41.3	35.2	37.3	31.2	11.9	14.4	18.4	18.1	20.2	10	13.8	-	-	22		
		2	R1/4	11.1	48.7	41.9	42.7	35.9	13.2		18.4		28.4					14		
10	2	R1/4	11.1	48.7	41.9	42.7	35.9	14.8	17.6	18.4	20.2	30.9	14	16.8	-	-	44			

For orders larger than indicated quantity, please check with WOS.

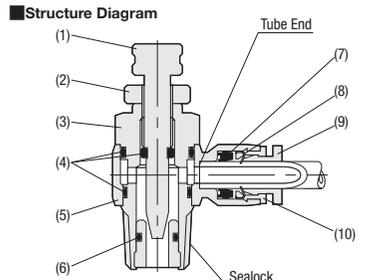


Part Number Type	D	B1		B2	ØP	T	C	Ød	F1	F2	Mass (g)	Unit Price (1-9 pc(s))	Volume Discount Rate (10-30)
		Max	Min										
SEJR	4	20.5	18.1	21	10	10.5	14.9	3.2	12.7	4.8	8.9		
	6	25.4	21.6	24.4	12.5	13.1	17	3.2	14.8	6.2	14		
	8	28.3	24.6	28	14.8	15.4	18.1	3.2	18.2	7.2	25		
	10	32.8	28.9	31.8	18.2	19.7	20.2	4.2	22.2	8.7	45		

For orders larger than indicated quantity, please check with WOS.

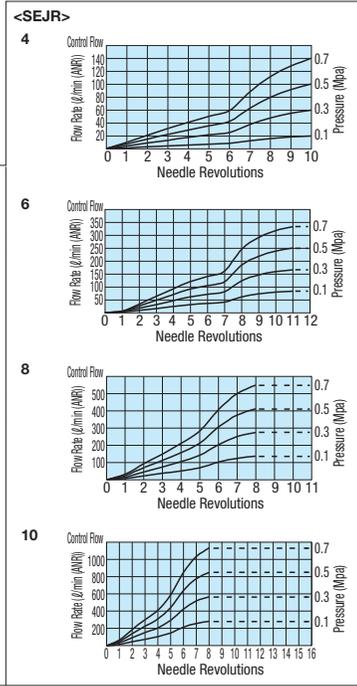
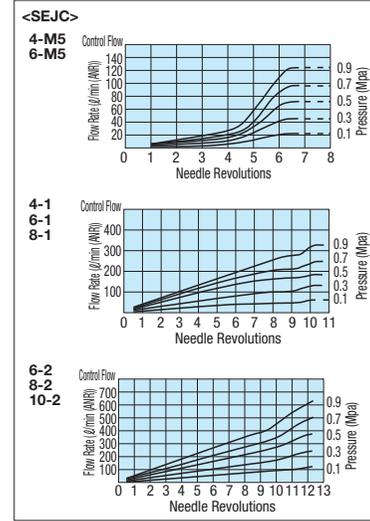
Ordering Example: Part Number SEJC4 - Nominal M5

Features / Specifications
 Features: Regardless of free flow or control flow, air can be controlled from either right or left side.
 Applicable Fluid: Air
 Operating Temp. Range: 0 ~ 60°C
 Operating Pressure Range: 0~0.9MPa
 *Operating pressure is set at ambient temperature (20°C).



Structure Diagram (Elbow: SEJC)

No.	Part Name	Material
(1)	Needle	Brass, Electroless Nickel Plating
(2)	Lock Nut	Aluminum
(3)	Metal Body	Brass, Electroless Nickel Plating
(4)	O-Ring	Nitrile Rubber
(5)	Resin Body	Polybutylene Terephthalate
(6)	O-Ring	Nitrile Rubber
(7)	Elastic Sleeve	Nitrile Rubber
(8)	Lock Pawl	Stainless Steel
(9)	Release Ring	Polyacetal
(10)	Guide Ring	Brass, Electroless Nickel Plating



For orders larger than indicated quantity, please check with WOS.