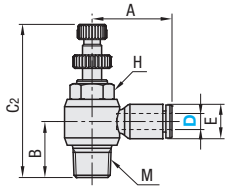
Speed Controller

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**



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

Part Number Type	D	Nominal	Color (*)	A	B	C2	E	Wrench Flats H	Thread Size M	Mass (g)	SPSNL SPSNN Unit Price 1 ~ 9 pc(s).	SPSNL SPSNN Volume Discount Rate 10~30	SPJNLS Unit Price 1 ~ 9 pc(s).	SPJNLS Volume Discount Rate 10~30
SPSNL SPJNLS (Meter Out) SPSNN (Meter In)	4	M5	B (Black) W (White)	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)				
	8	1		25.1 (25.3)	15.65 (15.4)	40.05 (38.4)	13.6 (14.5)	10 (13)	R1/8	23				
		2		27.6 (27.2)	19.3 (19.0)	48 (45.7)	13.6 (14.5)	14 (16)	R1/4	41				
		3		28.6 (29.5)	21.4 (21.3)	54.2 (52.4)	13.6 (14.5)	19	R3/8	71 (65)				
	10	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)				
	12	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

- 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.

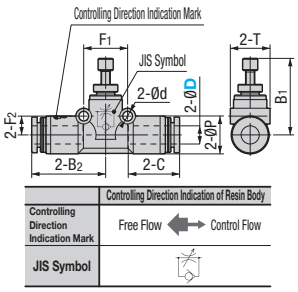
* Color is applicable to SPJNLS only.

■Specifications

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

■Union Straight In-line

SPJYS



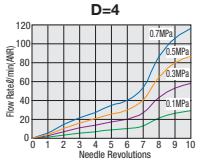
	Controlling Direction Indication of Resin Body
Controlling Direction Indication Mark	Free Flow ⇐ Control Flow
JIS Symbol	

M Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number Type	D	B1 Max.	B1 Min.	B2	ØP	T	C	Ød	F1	F2	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30
SPJYS	4	21	18.6	21	10	10.5	14.9	3.2	12.7	4.8	9		
	6	25.8	21.6	24.4	12.5	13.1	17	3.2	14.8	6.2	14		
	8	30.6	25.1	28	14.8	15.4	18.1	3.2	18.2	7.2	27		
	10	35.4	28.9	31.8	18.2	19.7	20.2	4.2	22.2	8.7	48		
	12	38	31.5	36.9	21.2	22.7	23.4	4.2	25.7	10.2	68 (67)		

Ordering Example: Part Number
SPJYS10

D=4



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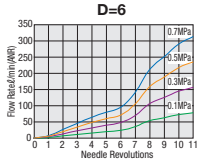

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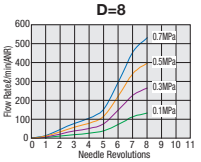

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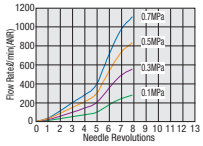
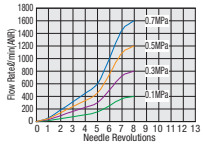


D=12



■Specifications

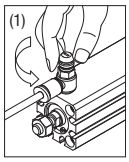
Applicable Fluid	Air
Operating Temp. Range	0~60°C
Operating Pressure Range	0.1~0.9MPa
Check Valve Operating Pressure	0.05MPa

* Operating pressure is set at ambient temperature (20°C).

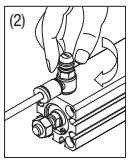
■Speed Adjusting Method

* 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.



Ex Example