

Speed Controller

Flow Rate Control Valves with One-Touch Coupling



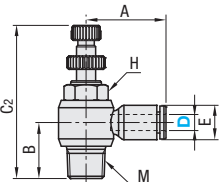
Points of Comparison Versus Similar Products

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.

Standard Type (Meter Out / In)



Meter Out SPSNL SPJNLS



Material Polybutylene Terephthalate
Thread: Brass (Nickel Plating)
(For SPJNLS, EN 1.4301 Equiv.)

Meter-In SPSNN

Part Number	Nominal	Color (*)	A	B	C ₂	E	Wrench Flats H	Thread Size M	Mass (g)	SPSNL Unit Price 1 ~ 9 pc(s)	SPSNN Unit Price 10~30	SPJNLS Unit Price 1 ~ 9 pc(s)	SPJNLS Unit Price 10~30
Type	D												
SPSNL (Meter Out)	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	2	23.95(25.8)	18.2(20.0)	48(45.7)	11.2(12.5)	14(16)	R1/4	38(40)				
		1	25.1(25.3)	15.65(15.4)	40.05(38.4)	13.6(14.5)	10(13)	R1/8	23				
	8	B (Black)	27.6(27.2)	19.3(19.0)	48(45.7)	13.6(14.5)	14(16)	R1/4	41				
		W (White)	28.6(29.5)	21.4(21.3)	54.2(52.4)	13.6(14.5)	19	R3/8	71(65)				
	3	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)				
	10	4	32.9(33.9)	26.5(25.2)	58.8(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)				
SPSNN (Meter In)	12	4	38.9(35.2)	28.2(25.7)	58.8(58.8)	19.7(20.0)	24	R1/2	109(113)				

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



Ordering Example

Part Number - Nominal - Color
SPSNL4 - M5

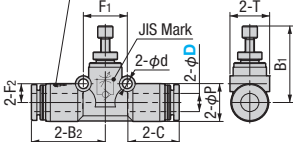
Union Straight In-line



RoHS10

SPJYS

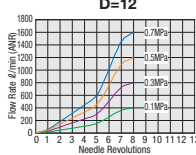
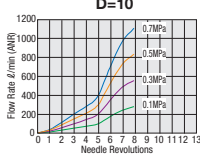
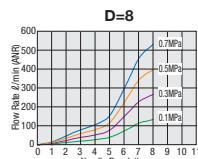
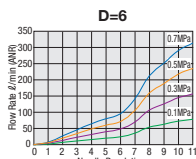
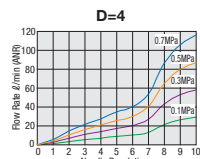
Flow marking on body



Flow direction marking on resin body
Flow marking on body
JIS Mark

Material Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	B ₁	B ₂	φP	T	C	φd	F ₁	F ₂	Mass (g)	Unit Price 1 ~ 9 pc(s)	Volume Discount Rate 10~30
Type	D	Max.	Min.								
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)



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).



Ordering Example

Part Number
SPJYS10



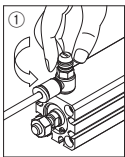
Example

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 anti-clockwise 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.

