

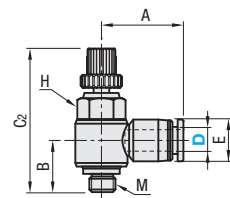
Speed Controller / Valve with Adjusting Dial

Flow Rate Control Valves with One-Touch Coupling

Miniature



Meter Out
MNSPS

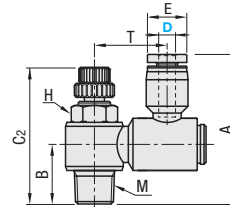


Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Straight



Meter Out
SPSNS

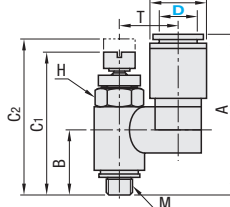


Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Miniature Straight



Meter Out
MNSPJS

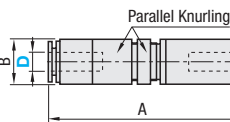


Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

In-line



SPJNSC

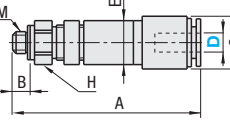


Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Miniature In-Line



SPJNSK



Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)



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

Part Number	Type	D	Nominal	A	B	C2	E	Wrench Flats H	Thread Size M	Mass (g)	Max. tightening torque (Kg-cm)	Unit Price 1 ~ 9 pc(s)	Volume Discount Rate 10 ~ 30
MNSPS	4	M3	15.7	9.9	30.5	8.0	8	M3x0.5	8	3			
	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			

Part Number		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
Type	D												
SPSNS	4	1	41.4	14.85	34.1	9.8	10	18.1	R1/8	34.1	Meter-Out		
	6	M5	35.2	11.4	29.12	11.9	8	15.9	M5x0.8	29.2			
		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.

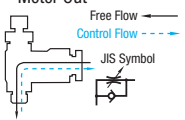
Part Number		Nominal	Color	A	B	C1	C2	E	Wrench Flats	H	T	Thread Size	Mass (g)	Control Type	Unit Price	Volume Discount Rate
Type		D										M			1 ~ 9 pcs	10 ~ 30
MNSPJS	3.2	M5	W (White)	28	12.4	27.2	30.2	7.8	8	11.2		M5x0.8	13.2	Meter-Out		
	4	M3	B (Black)	28.3	11.4	25.1	27.6	7.9	7	9.3		M3x0.5	7.7			
		M5		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			

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	52	57	12	18.8				
	8	W (White)	63	68	15	31			

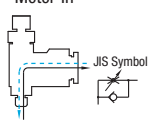
Part Number	Type	D	Color	A		B	C	E	Wrench Flats H	Thread Size M	Mass (g)	Unit Price 1 ~ 9 pc(s)	Volume Discount Rate 10 ~ 30
				Min	Max								
SPJNSK	4	B (Black)	39.8	43.3	4	10	10	9	M5x0.8	12.5			
	6	W (White)	42.8	46.3	4	12	10	9	M5x0.8	13.4			



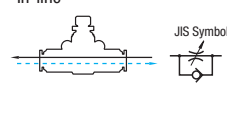
• Meter Out



• Meter-In



• In-line



Specifications

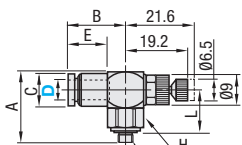
Applicable Fluid	Air
Operating Temp. Range	0 ~ 60°C
Operating Pressure Range	0.05 ~ 0.7MPa

Low-height



RoHS10

Meter Out
SPCNLH

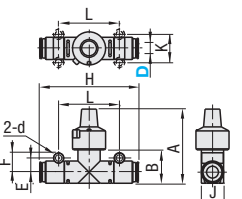


Material: Body: EN 1.4305 Equiv.
Thread: Brass (Nickel Plating)
* For M3 only Body, Thread: EN 1.4305 Equiv.



RoHS10

NBDY



Ordering Example
Part Number - Nominal
SPCNLH4 - M5
NBDY8

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
SPCNLH	4	M3	22.0					8	13.5	M3x0.5	17.8		
	M5	21.5	16.4	8	11.5			10	12.5	M5x0.8	17.9		
	1	23.5							13.5	R1/8	21.7		
	M5	22.5	16.5	10	12.6				13.5	M5x0.8	21.2		
	6	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

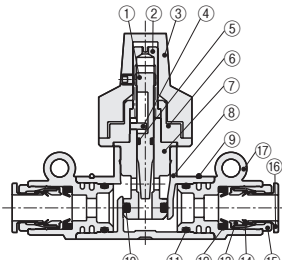
*Operating pressure is set at ambient temperature (20°C).

Part Number	Type	D	A	B	E	F	H	d	J	K	L	Unit Price 1 ~ 4 pc(s)	Volume Discount Rate 5 ~ 10
NBDY	4	45.5	17	8.1	11.6	55			12	16.2	30.8		
	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		4.3	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

Structure Diagram



No.	Part Name	Material
1	Needle	Brass
2	Rotary Shaft	Brass
3	Dial	Aluminum Alloy, Polyamide, etc.
4	Dowel Pin	Stainless Steel
5	O-Ring	Fluororubber
6	Guide Bushing	Brass
7	Check Metal	Brass
8	Main Body	Polybutylene Terephthalate
9	Stop Ring	Stainless Steel
10	O-Ring	Hydrogenated Nitrile Rubber
11	O-Ring	Hydrogenated Nitrile Rubber
12	Gasket	Hydrogenated Nitrile Rubber
13	Holder	Brass
14	Chuck	Stainless Steel
15	Outer Ring	Brass
16	Push Ring	Polybutylene Terephthalate
17	Joint Case	Polybutylene Terephthalate

All brass parts are electroless nickel plated.



Features

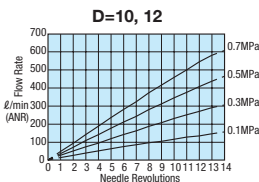
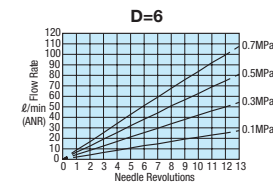
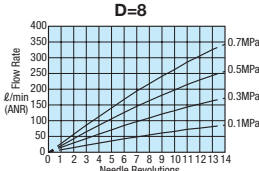
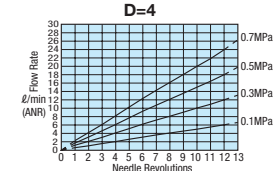
- Linear flow rate characteristics proportional to needle revolutions.
- Dial display makes it easy to control value of flow rate.
- Mounting part with 360° turn provides free mounting.
- Slide locking lever provides easy locking.

PRECAUTIONS

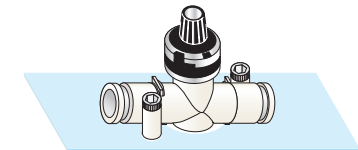
- Throttle valves for controlling both right and left sides flow rate.
- Not applicable as a stop valve which requires no leakage.
- Fix the dial with slide locking lever after adjusting flow rate.
- Tighten the mounting screw at 0.8N·m or lower.

Flow Rate Characteristics

<NBDY>



Manifolds



Bottom Side Mounting Example